Oil, Paint and Drug Reporter

THE MARKET AUTHORITY SINCE 1871

CHEMICALS ~ DYESTUFFS ~ DRUGS ~ PAINTS ~ OILS ~ FERTILIZERS

Volume 131 FEBRUARY 15, 1937 Number 7

PROPIONIC ACID

Cliffs Dow

Acetic Acid	Creosote Oils	Hardwood Tar
Activated Carbon	Ferrous Acetate (Iron Liquor)	Methanol
Charcoal	Hardwood Pitch	Methyl Acetone

DEVOTED TO THE EXCLUSIVE PRODUCTION OF WOOD CHEMICALS AND ALLIED PRODUCTS

CLIFFS DOW CHEMICAL COMPANY
MARQUETTE, MICHIGAN

WAREHOUSES

New York	Buffalo	Baltimore	Philadelphia	Pittsburgh
Cleveland	Detroit	Cincinnati	Louisville	Minneapolis
	Chicago	St. Louis	Kansas City	

'PAROILS' — CHLORINATED PARAFFINS

AMECCO CHEMICALS

SEBACIC ACID

For Resins and Plasticizers

AMERICAN CHEMICAL PRODUCTS CO., Rochester, N. Y.

R. W. GREEFF & CO., Inc.

10 East 40th Street

New York

• •

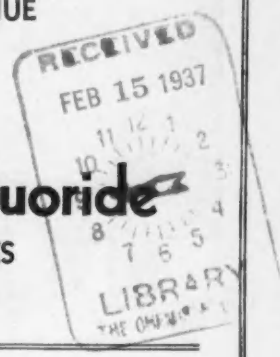
MANUFACTURERS' AGENTS
IMPORTERS EXPORTERS

• •

Acetone C. P.
Acid Lactic
Ammonium Nitrate
Carbon Black
Chlorophyll
Di Isobutylene
Methyl Ethyl Ketone
Methyl Propyl Ketone
Quinoidine
Sodium Acetate
Sodium Hydrosulphide
Sodium Sulphide
Tartar Emetic
Tertiary Butyl Alcohol

WM. S. GRAY & CO.

342 MADISON AVENUE
NEW YORK CITY



Sodium Silico Fluoride

WAREHOUSE STOCKS

PEERLESS CLAY

For the PAINT INDUSTRY

R. T. VANDERBILT CO., Inc.

230 PARK AVENUE :: NEW YORK CITY

CRUDE SULPHUR

99½% Pure

TEXAS GULF SULPHUR COMPANY
(INCORPORATED)
Office:
75 East 45th Street, New York City
Deposits and Plants:
Gulf, Newgulf and Long Point, Texas

Guaranteed 99½% to 100% Pure

BORAX

BORIC ACID

Refined and U. S. P.

» Crystal » Granulated » Powdered » Impalpable »
» Calcined Borax Glass » Manganese Borate » Anhydrous Ammonium Borate »

Samples on request

PACIFIC COAST BORAX COMPANY
Dept. Q
51 Madison Avenue, New York
CHICAGO LOS ANGELES

Here's NEWS

16% more OPACITY... NO extra cost!

That in a nutshell is the story of Titanox-B-30, a *super* Titanox-B, an even better white pigment with greater opacity.

We call it Titanox-B-30 because it contains 30 percent of Titanium Dioxide—5 percent more than the regular Titanox-B. This increase in Titanium Dioxide content has increased the desirable characteristics in Titanox-B-30 to a marked degree...It has added 16 percent to opacity and has improved other fine qualities in proportion.

TITANOX-B-30
(Titanium Barium Pigment)

is an excellent pigment for outside paints. Primers properly formulated with it will remain flexible; will adhere tightly and minimize peeling and scaling on resinous woods; will cover and hide well, and will improve the performance of the top coat, over that demonstrated in cases of self priming.

Titanox-B-30 also is recommended for interior coatings, quick drying enamels, architectural enamels, and many types of baking enamels.

Our Service Department is Available for Consultation

TITANIUM PIGMENT CORPORATION

SOLE SALES AGENT

111 Broadway, New York, N. Y.; Carondelet Station, St. Louis, Mo.; National Lead Company (Pacific Coast Branch), 2240 24th Street, San Francisco, Calif.

TITANOX — THE NEW WHEEL HORSE OF THE PAINT INDUSTRY — REG. U.S. PAT. OFF.

TITANOX B-30
TRADE MARK

Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

Volume 131 FEBRUARY 15, 1937 Number 7

RECEIVED FEB 15 1937 LIBRARY THE CHEMISTS CLUB

Agricultural Processing Study Set for Feb. 26

Chemists, Physicists, Engineers To Discuss Use of Farm Products in Industry

The American Society of Agricultural Engineers has joined the process industries division of the American Society of Mechanical Engineers and the Farm Chemurgic Council in sponsoring a meeting on agricultural processing, to be held at Rutgers University, New Brunswick, N. J., February 26.

This meeting is planned to bring together for relevant discussions chemists and physicists who originate processes of making new, useful products from various agricultural materials; processing engineers who develop and apply the processes on a commercial scale; and agricultural engineers who are interested in enabling farmers to deliver the basic materials to processing plants within the required limits of cost, physical condition, and time and quantity of delivery.

L. F. Livingston, former president of the American Society of Agricultural Engineers, and manager of the agricultural extension section of E. I. du Pont de Nemours & Co., will preside at the forenoon session to open at ten o'clock. Papers scheduled for this session include "Processing Research in Agriculture," by John F. Ferris, acting director of the agricultural industries division of TVA; and "Hemp and Flax from the Seed to the Loom," by George A. Lowry, of Lowry & Grant.

A "research luncheon" will be held in the Elks building at 1:00 p.m. Dr. W. H. Martin, director of research of Rutgers University, will address the group on "Agricultural Research Work," and Dr. Paul L. Hoover, director of the New Jersey Engineering Experiment Station, will talk on "Engineering Research."

Victor Wichum, chairman of the process industries division of the American Society of Mechanical Engineers, will preside at the afternoon session. "Processing Engineering in Agriculture" is the subject of an address with which L. F. Livingston will open the afternoon program. He will be followed by C. E. Thomas and A. Weisselberg, of the drying committee of the A.S.M.E. process industries division, with a paper on "Drying of Agricultural Products—The Technical and Economical Aspects."

R. C. H. Heck, of the department of mechanical engineering, and E. R. Gross, head of the department of agricultural engineering, Rutgers University, are the committee in charge of local arrangements for the meeting.

The forenoon session is to be held in the physics auditorium, and the afternoon session in the dairy building, on the campus. All interested persons are invited to attend. There will be a registration fee of $1 a person, which will include the luncheon.

Save Surface Salesmen Discuss Patman Act

Discussion of the Robinson-Patman act was the feature of the January dinner meeting of the Save the Surface Salesmen's Club of Philadelphia at the Penn Athletic Club, and drew a large group of members and their friends. The chief speaker was Dr. F. Sterling Wilson, of the Bureau of Foreign and Domestic Commerce, Washington. Following his talk, a series of questions and answers added illumination of the subject.

A moving picture film, "Making Shellac," was exhibited through the cooperation of William Zinsser & Co., with explanatory remarks by Olin West.

The following members were elected:—Charles Styer, of the Charles Styer Company; Foster W. Green, Phil Sturtz, and J. B. Hughes, of the Samuel H. French Paint Company, and Gerald J. Boyer, of the Reichard-Coulston Company.

Drug Bill Approved By Senate Handlers

WASHINGTON, Feb. 11.

S. 5, the Copeland bill to revise the food and drugs act, was approved today, without material changes, by the subcommittee of the Senate committee on commerce, to which it had been referred for consideration.

No hearings on the bill were deemed necessary in view of the full hearings in the preceding Congress, which had covered all matters in the new draft. The full committee on commerce will be called to consider the bill in a few days, possibly this weekend, Senator Copeland, chairman of the committee, said.

A number of changes in wording are recommended by the subcommittee, but these, Senator Copeland says, are technical and minor and in no sense change the scope or meaning of the measure. Senator Copeland says that the Department of Agriculture has made no representations or recommendations regarding the bill.

Senator Bailey of North Carolina, a member of the subcommittee, says that the bill embodies the Bailey amendment of last year limiting multiple seizures and that he considers the bill in good form and he looks for early enactment by the senate.

Admitting that there is considerable sentiment for giving the Federal Trade Commission jurisdiction of advertising, Senator Copeland says he does not look for much opposition in the senate on this score but would not be surprised to have the house enact a bill favorable to the commission, in which case the matter would be settled in conference.

Drug Store licenses would be denied in this State, according to the terms of a bill (Twomey in senate and Pipen in assembly) before the legislature, unless the owner is a licensed pharmacist or druggist or has had at least four years' practical experience, except persons, copartnerships, or corporation holding certificates for the conduct of such business July 1, 1937.

State sales taxes would be made applicable to interstate sales into a State having a tax, by the terms of a bill introduced in Congress by Representative Colmer, of Mississippi.

New York Drug Law Revision Proposal Has Novel Features

Administration Would Be by Consumers Bureau and User Could Sue — Registration Fees, Formula-Disclosure Required

ALBANY, Feb. 10, 1937.

Rigid control of the advertising and sale of foods, drugs and devices, and cosmetics in the State of New York, along lines that are novel in several respects, is proposed in companion bills introduced in the legislature. In the senate, this measure is sponsored by Senator Joseph Esquirol, Brooklyn; its introductory number is 594. The assembly bill, with the introductory number 928, was introduced by Assemblyman Ira H. Holley, New York.

The first novel feature of this proposal to revise the State food and drugs act is that the legislation is designated as the "Consumers' Protection Act."

In keeping with this designation there would be set up in the department of health a consumers' bureau, empowered to require registration of all proprietary foods, drugs and devices, and cosmetics, to control the advertising of such articles, to provide the public with analyses of such articles, to conduct scientific research into the value of such articles, and generally to educate the public respecting such articles.

To do its work the bureau would have the advice and assistance of a committee on public health, appointed by the governor on public nomination by the board of regents. No person having a financial interest in the manufacture, sale, or advertising of foods, drugs and devices, or cosmetics could be a member of this committee.

To assist the consumers' bureau—but not to bind it—the health committee would make findings of fact and furnish opinions. It would investigate scientific problems and adopt, amend, or repeal regulations for the enforcement of the act (much opportunity for regulations is provided). It would determine tolerances and watch out for the interests not only of healthy adults, but also the young, the aged, the sick, and the allergic or susceptible.

Registration Required

To be sold in the State a proprietary food, drug, device, or cosmetic would have to be registered with the consumers' bureau, an original fee of $25 being exacted, and an annual fee of $10 thereafter. To get registration a manufacturer would have to submit (in a sealed envelope) the complete formula of his product; a recital of all juridical orders that had been entered against him anywhere; a statement of all the claims he would make for his product, with satisfactory supporting evidence; the name of the licensed or otherwise qualified person supervising manufacture of the product. Registration could be denied if the director of the bureau considered a product harmful or potentially harmful to health, or if the product contained anything in a quantity that the health committee considered unsafe, or if the product was adulterated or misrepresented as defined in the act.

No reference to the certification of registration could be made in the advertising of a product. No formula could be changed unless an amended registration was secured.

Adulteration

The definition of adulteration covers all articles, with specific reference to one class or another in certain respects. It follows quite closely the terms of some of the predecessors of the final form of S. 5 in Congress last year, including the provision that labeling is a basis of adulteration.

No exception is made for the use of uncertified coaltar colors as an actual medicament.

No departure is permitted from an official "definition, manufacturing formula, or description . . . standards of strength, quality, or purity."

Misrepresentation

The term, "misrepresentation," is used in the bills instead of the customary "misbranding."

Labels would have to show the name and address of manufacturer or distributor and the weight, measure, or count

(Continued on page 54)

F. W. D. A. Gets Topics For Open Discussion

With the view of directing the discussions at the open session of the association's midwinter meeting to topics of timely interest, R. E. Lee Williamson, secretary of the Federal Wholesale Druggists Association, in a letter to the members, has suggested consideration of the following subjects:—

1. The application of the Robinson-Patman act, along the lines of true intent of the law—bearing in mind that the law has no intent to restrict the usual fair practices of trade nor to lessen the degree of service rendered and the measure of compensation for such service.

2. The sales policies of manufacturers, as evidenced in consignment contracts, del credere factor contracts, and selected distributor agreements, especially as to unreasonable contract conditions that are not essential to accomplish the end desired and only add to the labor of distribution, slowing up distribution service and increasing cost of handling.

3. The tendency of some manufacturers operating under contract consignment plans to exact a cash deposit entirely out of proportion to the turnover volume of the merchandise in question.

4. The effort of some manufacturers to dictate the manner in which wholesalers are to pay their employees (salesmen) and to dictate the amount to be paid on sales made of such manufacturer's products, or in lieu of same to attempt to require

(Continued on page 52)

U.S. Chemical Exports Gained in 1936

Advance of 13 Percent Recorded Over Preceding Year — 43 Percent Larger Than in 1933

World demand for American chemical products continued to expand steadily during 1936, exports of such products during the year aggregating $154,000,000 in value, an increase of 13 percent over the preceding year, according to a report of T. W. Delahanty, acting chief of the Chemical Division of the Bureau of Foreign and Domestic Commerce. The 1936 exports were 24 percent higher than in 1934, and 43 percent higher than in 1933, when the value of the chemical export trade of the United States was recorded at $107,350,000.

All staple chemical commodities entering into the export trade recorded substantial gains in 1936, preliminary statistics show, and a number of relatively new products such as plastics, synthetic resins, heating and refrigerating gases, and a number of other items were rapidly attaining positions of importance.

Export demand was especially good during the year for American chemical specialties, paints and varnishes, medicinals and pharmaceuticals, soaps and toilet preparations, and spectacular gains were recorded in shipments of sulphur and potash.

A total of $20,456,000 worth of chemical specialties was exported from the United States during 1936 compared with $17,679,000 during the preceding year. Exports of naval stores, gums and resins increased from $17,071,000 to $18,925,000; crude sulphur from $7,582,000 to $10,147,000;

(Continued on page 52)

Closing Market Developments

British Petrol Up

LONDON, Feb. 11. 1937.

Petrol prices have been advanced ½d. per gallon.

Varnish Resins Up

Higher replacement prices for natural varnish gums were reported late last week. The advances in dammar gums were as follows:—Batavia E. 8⅛c. per pound, up ⅝c.; Singapore No. 1, 17⅝c., up ½c.; No. 2, 14⅜c., up ½c.; seeds, 8½c., up ⅝c., and chips, 10⅞c. per pound, up ⅝c. Genuine bold pontianak advanced to 16c., a rise of ⅜c.; mixed bold pontianak, 14c., up ½c., and pontianak chips, 10¼c. per pound, up 1⅛c. per pound.

Tin Salts Higher

The market for tin crystals was higher at 38c. to 38½c. per pound; anhydrous tetrachloride of tin, 26c. per pound, and soda stannate was 33½c. to 36½c. per pound, according to quantity. Prices for tin derivatives were higher as a result of a rise in Straits tin to 51.30c. per pound.

Lead Arsenate Advanced

An advance of 1c. per pound was made in prices for lead arsenate. The new schedule follows:—Dealers, car lots, 10½c. per pound; 1,000 pounds or more, 11¼c. to 11½c. per pound, depending upon location; less than 1,000 pounds, 11½c. per pound.

Wormseed Sharply Higher

Quotations on American wormseed were raised to 20c. to 21c. per pound last Thursday afternoon. Total exhaustion of stocks in the primary market was reported, and the amount of unsold stock in this market was negligible. Bayberry bark was returned to the basis of firm quotations after a period in which no prices were named. The market late last week was 35c. to 40c. per pound.

Cube Root Prices Revised Again

Prices on milled cube root were revised last Thursday afternoon, establishing a schedule of quotations as follows:—Powdered, 5 percent rotenone, barrels, 30,000 pounds, freight equalized with Newark, Baltimore, and West Coast, 27c. per pound; 10,000 pounds to 30,000 pounds, 28c.; 2,000 pounds to 10,000 pounds, 29c.; 1,000 to 2,000 pounds, 30c.; 200 pounds to 1,000 pounds, 32c. Prices on 4 percent rotenone material were 5c. per pound less. Quotations on coarse ground material testing 4, and also 5 percent rotenone, were 1c. less; 3 percent, 6c. less.

Tallow Firm

Tallow offerings were light late in the week and the market continued to present a firm appearance. The last business reported locally was at 8⅞c. per pound, for extra delivered, but higher prices were asked by sellers. Several outside lots were reported to have been sold during the week at from 9¼c. to 9½c. per pound.

Foreign Tariff Notes

Information recently published by the Department of Commerce on foreign tariffs and related trade regulations includes the following data:—

Alcohol:—Panama has removed the existing production taxes on alcohol produced from molasses, effective March 16.

Animal Fat:—Netherlands has extended for one year from January 1, without change, the expiring quota restrictions on imports of unrendered animal fat.

Benzol:—Netherlands has extended for six months from January 1, without change, the expiring quota restrictions on imports of benzol.

Cattle Medicines:—Uruguay, by presidential decree, provides that curative or prophylactic products intended to combat cattle diseases will be exempt temporarily from all import duty and internal tax. The Uruguayan Livestock Bureau has been granted authority to decide what medicines will be admitted duty free.

Caustic Potash:—Netherlands has extended for one year from January 1, without change, the expiring quota restrictions on imports of caustic potash.

Logwood and Logwood Roots:—Haiti has extended to January 15, 1938, the exemption of logwood and logwood roots from payment of export duty.

Malt Extract:—Netherlands has reduced the monopoly fee on imports of malt extract from 5.00 florins to 4.50 florins per 100 kilos.

Margarin:—Sweden has continued the excise tax of 0.30 crown per kilo and the import duty of 0.45 crown per kilo on margarin to June 30 next.

Peanut Oil:—French West Africa has established an export duty on peanut oil of 88 francs per 1,000 kilos net.

Superphosphates: — Netherlands has extended for four months from January 1, without change, the expiring quota restrictions on imports of superphosphates.

Chemical Price Structure Softens

There was evidence of price softness in the markets for heavy and fine chemicals last week, but not in important spots. The metallic salts were not active, but advances in quotations on some of the nonferrous bases were looked for. Demand from the recently flooded regions caused a shortage of bleaching powder and cresylic acid and an active movement of copperas. Signs of seasonal activity were noticeable in naphthalene. Buying on the whole was conservative. Settlement of the automobile labor trouble brought a ray of sunshine on the holiday eve.

Prices were advanced on acetate of copper and powdered tungsten metal. Reductions applied to tungstate and molybdate of soda, menthol, imported woodflour, cocoa-butter, imported dried blood and tankage, Japanese fish scrap, domestic tankage in the East, and dried blood and hoofmeal at Chicago.

The REPORTER'S composite index number of prices for heavy and fine chemicals was not appreciably affected by the changes, remaining at 125.8 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 89.0, against 88.8 at this time last year.

Kentucky Color in Operation

Sevier Bonnie, vice-president of the Kentucky Color & Chemical Company, Louisville, advises that the company resumed operation February 8. During the flood, the plant was under 12 feet of water, but its entire stock of goods in process, and finished material, had been moved above the high water mark. The damage to the company's plant was only a few thousand dollars.

Contents of This Issue

News and Statistics

Agricultural Processing Study Set for February 26 3
Bauxite Ore Concentrates Dutiable Under Paint Rate 28
Balto. P. V. L. A. to Submit Patman Queries to N.P.V.L.A. 42
Chemical, Industrial Oil Imports Up 24 Percent 31
Concannon Finds Gain in U. S.-South American Trade 5
Cyanamid Buys Calcyanide 57
Control Insecticide for 1937 Available 28
Copper Output Increased 61 Percent During 1936 28
Drug Store Chain Sales Increased in December 4
Drug Bill Approved by Senate Handlers 3
Dr. Van Slyke Receives Conne Chemistry Medal 37
Devoe & Raynolds Advances Harris. 34
DuPont Nets $83,557,470 for 1936, High Record 58
F. W. D. A. Gets Topics for Open Discussion 3
Gelatin Statistics: 1936 48
Hercules Powder Net Increased 57
International Master Painters in Convention 54
Imposters Solicit Paint Group 64
Kentucky Color in Operation 4
London Drug and Oil Data 48
Lacquer Sales: 1936 34
Methanol Output in 1936 31
Merrell Co. New Plant Nearing Completion 58
Narcotic Requirements Estimated .. 5
New York Drug Law Revision Proposal Has Novel Features 3
New Jersey Zinc Co. Starts New Paint Research Service 54
N.Y. Paint Association Plans Anniversary Fete 28
Naphtha Freights Reduced 28
Petroleum Production 56
Petroleum Market Status 55
Peerless Paint & Varnish Expands .. 52
Patman Act Validity Questioned by A. & P. 5
Peanut Oil Boosters Restrained by F. T. C. 5
Paint Exports by U. S. Rose 9 Percent in 1936 5
Research Appropriations Exceed Quarter Billion 5
Rosin Freights Authorized 31
Second Narcotic Farm of U. S. Opened in Texas 49
Sulzberger Heads N.P.V.L.A. Committee 4
Sundurland Goes to Canada 28
T.G.A. Asks Beauty Editors Aid in Fight on Excise Tax 31
Textile Chemists Hear Mosher on Softeners 37
Toovey Joins Staff of Pennsylvania Salt Co. 58
U. S. Chemical Exports Gained in 1936 3
U. S. Petroleum Products Exports to Greece Increase 56
Vick Reports on Colds Control 50
Wedgwood Club Elects 48
Wet Ground Mica Association Adopts Rules 5
Wood Preservers' Ass'n Elects Duncan President 37

General Features

Advertisers' Index 65
Bids Wanted 63
Chemical Price Trends 4
Classified Advertisements 64
Closing Market Developments 4
Contracts Awarded ..... —
Corporation Earnings 64
Dividends Declared 64
Editorials 26
Foreign Tariff Notes 4
Foreign Trade Openings 63
Industrial Uses of Chemicals 35
Obituaries 34
Prices Current 7
Scientific, Professional Services .. 58
Some New Books ..... —
Trade-Names and Brand-Names .. 34
Trade News Briefs ..... —
What You Can Use 50
Where You Can Sell 35

Market Reports

Botanical Drugs, Spices, Gums ... 51
Coaltar Chemicals 32
Drugs and Fine Chemicals 47
Dyestuffs and Textile and Leather Chemicals 37
Essential Oils and Aromatics 53
Fertilizer Materials 57
Heavy Chemicals 29
Oils, Fats and Waxes 43
Paint, Varnish, Lacquer Materials 39
Petroleum Solvents, Lubricants, Fuels 55

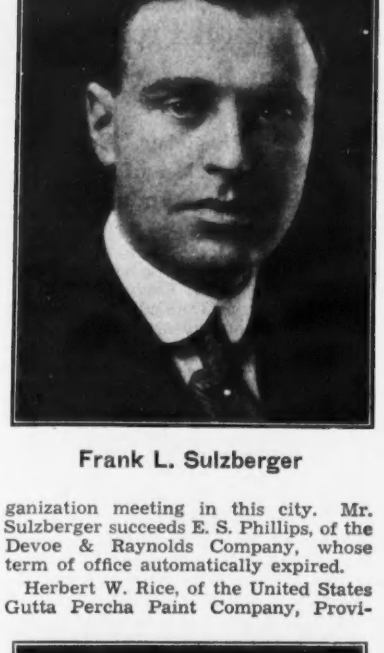
Shipping Information

Cargo Ship Arrivals 63
Charters 63
Coastwise Shipments 63
Exports 61
Imports 59
Imports Detained 63

Oil, Paint and Drug Reporter, Volume 131, No. 7, February 15, 1937. Published by Oil, Paint and Drug Publishing Company, Inc., 12 Gold Street, New York. Entered as second-class matter January 15, 1884, at the Post Office at New York, N. Y., under the Act of March 6, 1879.

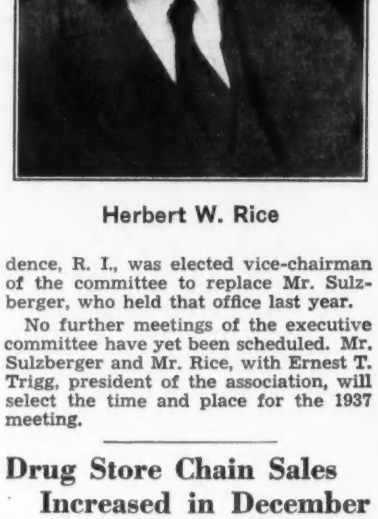
F. L. Sulzberger Heads N.P.V.L.A. Committee

Frank L. Sulzberger, of the Enterprise Paint Manufacturing Company, Chicago, was elected chairman of the executive committee of the National Paint, Varnish and Lacquer Association at its organization meeting in this city. Mr. Sulzberger succeeds E. S. Phillips, of the Devoe & Raynolds Company, whose term of office automatically expired.



Frank L. Sulzberger

Herbert W. Rice, of the United States Gutta Percha Paint Company, Providence, R. I., was elected vice-chairman of the committee to replace Mr. Sulzberger, who held that office last year.



Herbert W. Rice

No further meetings of the executive committee have yet been scheduled. Mr. Sulzberger and Mr. Rice, with Ernest T. Trigg, president of the association, will select the time and place for the 1937 meeting.

Drug Store Chain Sales Increased in December

Average daily sales of chain drug stores in December, 1936, were 8.7 percent higher than in December, 1935, according to a report of the Bureau of Foreign and Domestic Commerce, issued in a monthly series. Fountain sales increased 17.4 percent, tobacco sales were up 5.0 percent and all other sales were 8.3 percent above those of the preceding year.

Without allowance for seasonal variation, December, 1936, sales increased 32.7 percent over those for November. Tobacco sales increased 37.6 percent, fountain sales were up 10.8 percent and all other sales showed an advance of 38 percent. The figures are based on reports for identical stores from 44 chain organizations. Store units represented were located in 43 States and the District of Columbia.

Colorado Metal Mining Association has elected the following officers for 1937:—President, Jesse F. McDonald (re-elected); vice-presidents, J. G. Clark, Boulder; E. P. Arthur, Cripple Creek; John T. Barnett, Denver; treasurer, Shrive Collins, Creede, and secretary, Robert S. Palmer, Denver.

Concannon Finds Gain in U.S.–So. American Trade

WASHINGTON, Feb. 10, 1937.

Increased trade between the United States and South American nations in the next few years was forecast today by Charles C. Cancannon, chief of the Chemical Division of the Bureau of Foreign and Domestic Commerce, who has just returned from a visit to Brazil, Argentina, and Chile.

Business conditions are greatly improved in all these countries, he reported, and while the exchange situation is still hampering, particularly in Chile, there seems to be plenty of capital available for new business ventures and the opportunities for increasing trade in both directions are very good.

C. C. Concannon

While in Brazil Mr. Concannon investigated the oiticica oil industry, which is producing a comparatively new drying oil which has already found a ready market, particularly in Europe. Because of the difficulties of expanding production of the oil in the jungles of the interior of the country, the business cannot expand rapidly, Mr. Concannon concluded, but he forecast a steady growth in exports of this product.

Throughout South America Mr. Concannon observed a great interest in the possibilities of producing tung oil, and he was continually asked for information on the progress of the industry in the United States. Experiments are being made in growing tung trees in many different regions, but so far these experiments are still in the early stages and there has not yet been discovered a variety of tung tree which will grow and bear well under the conditions of soil and climate existing in the regions where the experiments are in progress.

Business in Chile is improving rapidly due to the rise in the price of copper and the production of other metals found in connection with some of the copper deposits. Mr. Concannon found the nitrate industry in a fair condition, with the quantity and price of exports rather satisfactory, although leaders of the industry are very anxious to expand their export markets both to the United States and to Europe. Iodine producers, he said, are concerned over the current low world price for this commodity, and are considering the possibilities of obtaining higher prices for highly refined iodine for medicinal uses as distinguished from technical grades. The guano business in both Chile and Peru is dwindling rapidly, he discovered, due chiefly to exhaustion of deposits.

Wet Ground Mica Ass'n Adopts Two Group Rules

Members of the Wet Ground Mica Association, comprising about 85 percent of the total membership of the industry; met at a Federal Trade Commission trade practice conference in Washington and adopted a set of trade rules for the consideration of the commission.

Published price lists by each individual member with terms of sale indicated in the list, filing of cost data with some agency designated by the commission to enable the commission to check on the members more easily, and approval of the practice of giving free samples for experimental use, were the group 2 rules which the conference adopted, in addition to group 1 rules which restate laws on competition.

Narcotic Requirements Estimated

League of Nations Report on World Needs Shows Decrease in Direct Consumption

WASHINGTON, Feb. 10, 1937.

The estimate of world requirements of narcotic drugs in 1937 prepared by the supervisory body under the limitations convention of 1931 and published by the Council of the League of Nations was received by the Department of State today.

The estimates indicate a decrease of about 3.5 percent in aggregate requirements of the major narcotics for consumption as such, increases being given for morphine, heroine, and cocaine; decreases, for codeine and dionine.

The figures tabulated in the report are as follows:—

The report stated that estimates were furnished by sixty-one countries, including six countries not parties to the convention, and from eighty-eight colonies, protectorates, and territories. Nine countries and seven colonies did not submit estimates, and the supervisory body made its own estimates in these cases.

The report stated that the grand total of estimated requirements of each drug represents the outside limit for world manufacture of the drug during the year. The figure is liable to modification as a result of supplementary estimates. Further, the amount of each drug which may legitimately be manufactured during the year may be less than the grand total, since these are maximum figures. The listing, "other drugs," includes the proprietaries, dicodide, dilaudide, eucodal, acedicone, and genomorphine.

It was noted that in previous years the over-estimation of the amount of morphine required for conversion has caused a wide gap between the world total of the morphine estimates and the amount actually manufactured, and that this gap has not apparently been appreciably narrowed in the world total of the morphine estimates for 1937.

The decrease in the estimates of codeine and dionine is no doubt the result of closer estimation, the report states. The small increases shown in the case of morphine, diacetylmorphine, and cocaine are said to be attributable, at least in part, to the development of medical services in several countries.

Estimated World Requirements of Narcotics for Medical and Scientific Purposes in 1937

	Kilograms (In anhydrous alkaloid)			
	For use as such.	For conversion.	To bring stocks to desired level.	Total.
Morphine	10,619	30,011	346	40,976
Diacetylmorphine	992	1	—28	965
Cocaine	4,724	.....	252	4,976
Thebaine	20	623	1	644
Methylmorphine (codeine)	24,196	600	928	25,724
Ethylmorphine (dionine)	2,951	.....	248	3,199
Other drugs	637	.....	5	642

Comparative Requirements for Consumption as Such

	Kilograms			
	1937.	1936.	1935.	1934.
Morphine	10,619	9,811	9,021	9,371
Diacetylmorphine	992	973	1,103	1,557
Cocaine	4,724	4,470	4,990	5,766
Codeine	24,196	26,509	25,560	26,487
Dionine	2,951	3,284	2,767	2,833

For the United States, including territories and insular possessions except the Philippines, the supervisory body made the following estimates, which include quantity of the drug estimated as necessary for use as such, quantity for conversion, and amounts necessary to keep reserve stocks at the desired level: —Morphine, 7,030 kilograms; heroine, none; cocaine, 800 kilograms; thebaine, 10 kilograms; codeine, 4,600 kilograms; dionine, 300 kilograms.

A breakdown of the morphine estimate for the United States showed 2,225 kilograms necessary for use as such, 4,805 kilograms necessary for conversion. The desired level of reserve stocks was set at 1,855 kilograms, and it was noted that a supplementary estimate of the amounts to be added or deducted in order to bring the reserve stocks to desired levels will be furnished after the close of the year when the necessary statistics are available.

Research Appropriations Exceed Quarter-Billion

Industry's 1937 appropriations for research will exceed $250,000,000, it is estimated by Dr. E. R. Weidlein, president of the American Chemical Society, who says that twenty-five of more than forty sessions arranged for the ninety-third meeting of the society at the University of North Carolina, April 12 to 15, will be devoted to chemical investigations directly fostering industrial progress.

Commenting on the trend toward greater research activity, Dr. Weidlein, who is director of Mellon Institute of Industrial Research, says:—

With corporate earnings rising markedly and with the new tax law favoring legitimate expenditures in increased research, more and more attention is being given to the development of new products and new uses in the industries. During 1936 the steel industry spent $9,200,000 on these activities—$500,000 more than during the preceding year. The chemical industry, the largest cultivator and supporter of research, has enlarged its expenditures on laboratory investigations; the food industry has likewise increased its appropriations. The metal-working field, which during the depression stopped much of its research, is now resuming laboratory investigations on a large scale. Researches have lately been accelerated in the fields of building materials, air conditioning, synthetic fibers, and television.

Scientific research is still young, even in the life of the universities, which are primarily responsible for its existence. Having gained the spirit of research from the universities, the industries have applied its methods to their own affairs with really amazing results. During the last twenty-five years the number of industrial research laboratories in the United States has grown from a very few to more than 2,000.

Since 1870 science applied to manufacturing has created eighteen new industries that furnish direct and indirect employment to over 10,000,000 persons. Science has also effected a fourfold increase in our standard of living since 1790. Many of the good things of life, including automobiles, radios, telephones, and electric lights, are scientific creations.

Without the evolution of scientific investigations in the universities, industrial laboratories might never have come into existence. Besides the very idea of research, the universities have furnished the industries with men possessing knowledge not only of the underlying scientific facts and theories but of the methods and technics of investigational work. From the universities also proceeds much of the basic knowledge of science on which industries of today have built and will construct for the future. Accordingly, this essential contributory part of our universities should be recognized and nurtured by the industries.

Patman Act Validity Questioned by A & P

Categorical denials are made by the Great Atlantic & Pacific Tea Company in its answer to the charges of the Federal Trade Commission that it was receiving brokerage, commissions, special discounts, and other price favors in violation of the Robinson-Patman act. In its response to the commission's complaint the chain-store concern also questions the constitutionality of the Patman act, expressing the opinion that the legislation violates the fifth, tenth and fourteenth amendments to the Federal constitution. In elaboration of this attack the company gives the following reasons for its opinion relative to the unconstitutionality of subsection (c) of section 2 of the act:—

(a) It violates article 1, section 8, subsection 3 of the Constitution of the United States, in that it deprives persons of the right to contract, irrespective of the effect of such contract on commerce among the several States, and this power was withheld from the Congress by the tenth amendment to the Constitution of the United States.

(b) It violates the fifth amendment to the Constitution of the United States in that it deprives persons of the right to freely contract with respect to the rendition of personal services, and is not due process of law.

(c) It seeks to make unlawful an agreement between persons with respect to the payment for services without regard to the effect on interstate commerce of such services, and seeks to make unlawful the determination by the parties to such contract of the value to each of the services so rendered.

Joseph Stranad, credit manager of the Titanium Pigment Company, this city, and Miss Faith Davis were wed, February 6. After a honeymoon trip Mr. and Mrs. Stranad will reside in Forest Hills, L. I.

Peanut Oil Boosters Restrained by F.T.C.

WASHINGTON, Feb. 9, 1937.

Daniel R. Hodgdon and the National Food Bureau, Inc., both of 328 Greenwich street, New York, have been ordered by the Federal Trade Commission to discontinue making false and misleading representations and disparaging statements in advertising and promoting the sale of peanut oil.

Engaged by a manufacturer of peanut oil to conduct a sales-promotion campaign, the respondents, according to the findings, used the radio principally in advertising the product, with Hodgdon broadcasting the lectures and addresses.

The order directs the respondents to stop representing that peanut oil or food products made therefrom are superior to, or easier to digest than, corn oil or cottonseed oil or food made therefrom, and that corn oil or cottonseed oil food products are cheap commodities which are impure, unwholesome, and unfit for human consumption.

Other prohibitions contained in the order are that the respondents shall cease using any words or phrases calculated to slander or discredit dealers in corn oil or cottonseed oil or the commodities manufactured therefrom, and that they shall cease using, or authorizing others to use, the word, "doctor," as descriptive of the professional qualifications of the respondent Hodgdon, so as to imply that he is a medical doctor.

The commission's findings are that cottonseed oil, corn oil, and peanut oil are all pure, wholesome foods of about the same chemical consistency, and approximately 98 percent digestible.

Artificial coloring may be used in vinegar in Alabama, a law repealing the prohibition of such coloring having been signed by the governor.

Paint Exports by U.S. Rose 9 Percent in 1936

Exports of paints and paint products from the United States advanced more than 9 percent in value during 1936, continuing the upward trend which has been recorded each year since 1932, with all important items sharing in the gain, according to C. C. Concannon, chief of the Chemical Division of the Bureau of Foreign and Domestic Commerce.

The total value of such exports reached $17,788,000 during the year, against shipments valued at $16,345,000 in 1935, $14,214,000 in 1934, and $11,834,000 in 1933.

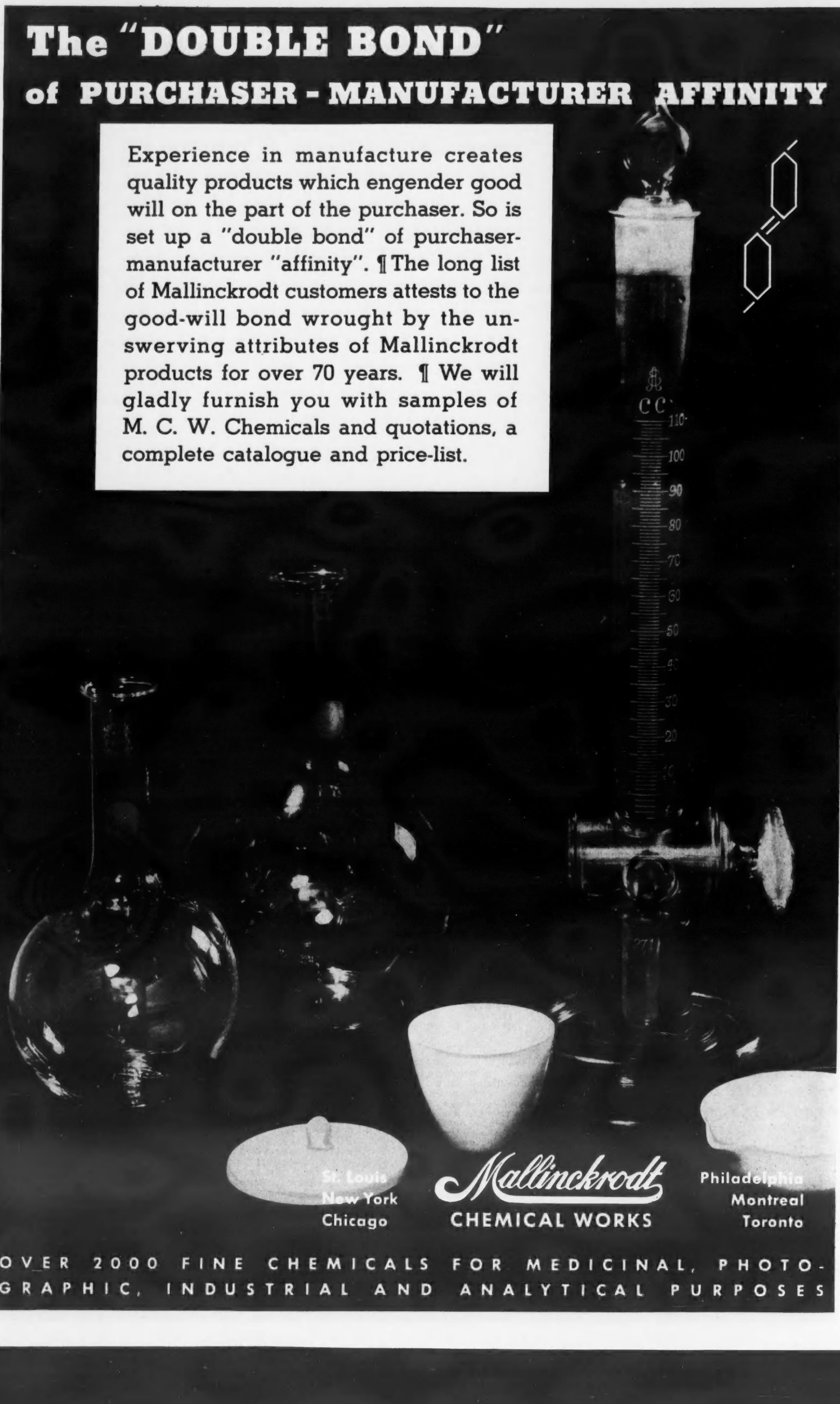
Close to 100 foreign markets purchased 4,101,350 gallons of American ready mixed paints, varnishes and lacquers valued at $6,605,500 in 1936, which compares with exports of 3,745,700 gallons valued at $6,063,000 during the preceding year. Compared with 1935, export shipments of lacquers last year increased from 1,178,000 to 1,500,000 gallons and varnishes from 393,000 to 448,350 gallons. Shipments of ready mixed paint at 2,153,000 gallons were about the same, both in quantity and value, as in the preceding year.

Other paint products recording export increases in 1936 included paste paints which aggregated 2,229,000 pounds, compared with shipments of 1,195,000 during the preceding year, and kalsomine or cold water paints from 6,458,000 to 7,832,000 pounds. Exports of bituminous paints, however, declined from 411,000 to 266,000 pounds, preliminary statistics indicate.

Substantial increases were also recorded in exports of pigments in 1936. Compared with the preceding year, mineral earth pigment exports increased from 48,000,000 to 56,000,000 pounds and chemical pigments from 166,000,000 to 180,000,000 pounds.

The "DOUBLE BOND" of PURCHASER - MANUFACTURER AFFINITY

Experience in manufacture creates quality products which engender good will on the part of the purchaser. So is set up a "double bond" of purchaser-manufacturer "affinity". ¶ The long list of Mallinckrodt customers attests to the good-will bond wrought by the unswerving attributes of Mallinckrodt products for over 70 years. ¶ We will gladly furnish you with samples of M. C. W. Chemicals and quotations, a complete catalogue and price-list.



St. Louis
New York
Chicago

Mallinckrodt
CHEMICAL WORKS

Philadelphia
Montreal
Toronto

OVER 2000 FINE CHEMICALS FOR MEDICINAL, PHOTOGRAPHIC, INDUSTRIAL AND ANALYTICAL PURPOSES

RECEIVED FEB 15 1937 LIBRARY THE CHEMISTRY OF OILS

Current Market Quotations

All matter under this heading fully protected by copyright

When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, Arabic)
Acetal, dms., works....lb. .75 - 1.00
Acetaldehyde, dms., c.l., works.lb. .14 - —
l.c.l., works....lb. .16 - —
Acetamide, CP, bots., kegs, c.l., works..lb. .35 - —
l.c.l., 1,000 lbs., works..lb. .43 - —
smaller lots, works....lb. .48 - 1.00
tech., kegs, c.l., works....lb. .32 - —
l.c.l., 1,000 lbs., works..lb. .38 - —
smaller lots, works....lb. .43 - .75
Acetanilide, tech., 95%, bbls..lb. .24 Nom.
USP, bbls., 1,000 lbs....lb. .25 - —
smaller lots....lb. .26 - —
kegs, 1,000 lbs....lb. .26 - —
smaller lots....lb. .27 - —
Acetin, tech., dms....lb. .22 - .23
Acetoacetanilide, dms....lb. .65 - .70
Acetone, CP, dms., c.l., dlvd..lb. .07 - —
l.c.l., dlvd....lb. .07½- —
tanks, dlvd....lb. .06 - —
Methyl (see M)
Acetophenone, bots....lb. 1.30 - 1.45
cns., 25 lbs....lb. 1.15 - 1.25
dms., 100 lbs....lb. 1.05 - —
Acetphenetidin, bbls., kegs, 1,000 lbs..lb. 1.30 - —
single pkg....lb. 1.35 - —
smaller pkgs....lb. 1.32 - 1.40
Acid, abietic, bbls., c.l....lb. .06¾- —
l.c.l. ....lb. .07 - —
Acetic, coml. or redist., 28%, bbls..100 lbs. 2.25 - —
cbys. ....100 lbs. 2.75 - —
56%, bbls....100 lbs. 4.40 - —
cbys. ....100 lbs. 4.90 - —
70%, bbls....100 lbs. 5.50 - —
cbys. ....100 lbs. 6.00 - —
80%, bbls....100 lbs. 6.00 - —
cbys. ....100 lbs. 6.50 - —
glacial, nat., CP., cbys.100 lbs.14.00 - —
com'l., nat., bbls., c.l., 100 lbs. 8.00 - —
cbys. ....100 lbs. 8.50 - —
99.5%, nat., bbls., c.l., 100 lbs. 8.43 - —
cbys. ....100 lbs. 8.93 - —
syn., al. dms., c.l.100 lbs. 8.43 - —
cbys. ....100 lbs. 8.93 - —
USP., reagent, 99.8%, al. dms..100 lbs.10.50 - —
cbys. ....100 lbs.11.00 - —
pure, 30%, bbls., c.l....100 lbs. 3.52 - —
cbys. ....100 lbs. 3.92 - —
36%, bbls., c.l....100 lbs. 3.95 - —
cbys. ....100 lbs. 4.45 - —
60%, bbls., c.l....100 lbs. 6.63 - —
cbys. ....100 lbs. 7.13 - —
80%, bbls., c.l....100 lbs. 8.32 - —
cbys. ....100 lbs. 8.82 - —

Acetic acid prices for commercial or redistilled are for any quantity; l.c.l. prices for other grades are uniformly 25c. per 100 lbs. higher than c.l. prices.

Acetic, anhydride, dms., c.l..lb. .13 - —
l.c.l., dms., cbys....lb. .14 - .15
Acetylsalicylic, USP, bbls. 225 lbs..lb. .55 - —
boxes, 25 lbs....lb. .56 - —
kegs, 100 lbs....lb. .55 - —
Anthranilic, refd., bbls....lb. .85 - .90
tech., bbls....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP., powd., dms., kegs...lb. .18 - —
Battery, chys, c.l. E. works 100 lbs. 1.35 - 1.50
l.c.l., 25 or more, E. works, 100 lbs. 1.60 - 1.75
10-24, E. works....100 lbs. 2.35 - 2.50
1-9, E. works....100 lbs. 2.35 - 2.50
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs....lb. .44 - —
900 lbs. or less....lb. .47 - —
USP, bbls., 4,000 lbs. or more lb. .54 - —
1,000 to 3,900 lbs....lb. .55 - —
900 lbs. or less....lb. .58 - .60
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs....lb. .56 - .57
900 lbs. or less....lb. .59 - .60
Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, delvd. ton.105.00 - —
c.l., delvd....ton.110.00 - —
l.c.l., ex whse....ton.115.00 -120.00
sks., contracts, 80 tons, delvd..ton. 95.00 - —
c.l., delvd....ton.100.00 - —
l.c.l., ex whse....ton.105.00 -110.00
powd., bbls., contracts, 80 tons, delvd..ton.110.00 - —
c.l., delvd....ton.115.00 - —
l.c.l., ex whse....ton.120.00 -135.00
sks., contracts, 80 tons, delvd..ton.100.00 - —
c.l., delvd....ton.105.00 - —
l.c.l., ex whse....ton.110.00 -125.00

USP., $25 per ton higher.

Broenner's, bbls....lb. 1.11 - —
Butyric, 95%, w.w., cbys., works, lb. .28 - .35
edible, cbys., works....lb. 1.20 - 1.30
synthetic, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis....lb. .23 - —
tanks, same basis....lb. .21 - —
Camphoric, cans....lb. 5.50 - 5.70
Capric, dms....lb. .19½- .20
Caproic, cans....lb. 2.20 - —
Carbolic (see Phenol).
Castor oil, split, dms....lb. .16 - .16½
Chicago, bbls....lb. 2.10 - —
Chlorosulphonic, dms., c.l., works..lb. .03½- —
5 drum lots, works....lb. .04 - —
single drum....lb. .05 - —
tanks, works....lb. .03 - —
Chromic, 99%, dms., delvd. N.Y. lb. .14¾- .16¾
Cinnamic, refd., bots....lb. 2.85 - 3.25
Citric, cryst., bbls....lb. .25 - —
kegs ....lb. .25½- —
gran., bbls....lb. .25 - —
kegs ....lb. .25½- —
powd., bbls....lb. .25½- —
anhyd., gran., dms....lb. .27½- —
powd., dms....lb. .28 - —

Prices on citric acid are f.o.b. N. Y.; Chicago and St. Louis deliveries are ½c. higher than N. Y.

Acid, cleve's, bbls....lb. .50 - —
Cottonseed oil, dms....lb. .09½- .10¾
Cresylic, high-boil, dms., c.l., works, frt. equaled..gal. .72 - —
l.c.l., same basis....gal. .74 - —
low-boil, dms., c.l., works, frt. equald..gal. .77 - —
l.c.l., same basis....gal. .79 - —
imported pale, 97-99, dms..gal. .84 - .99
special resin grade, dms., c.l., works..lb. .09 - —
l.c.l., same basis....lb. .09½- —
Crotonic, dms., works....lb. .90 - 1.00
Diethylbarbituric (see Barbital).
Epsilon, bbls....lb. .77 - .79
Formic, dom., seaboard, 90%, cbys., f.o.b. stock points, c.l. ....lb. .11 - —
l.c.l., 25 and over....lb. .11½- —
1-24 ....lb. .12 - —
Southern territory, cbys., c.l., lb. .1220- .1290
l.c.l., 25 and over....lb. .1270- .1340
1-24 ....lb. .1320- .1390
inland territory, cbys., c.l.lb. .1185- —
l.c.l., 25 and over....lb. .1235- —
1-24 ....lb. .1285- —
Fumaric, bbls....lb. .60 - —
Furoic, tech., fib. ctns., 100 lbs., works..lb. .35 - —
smaller lots, works....lb. .45 - —
Gallic, tech., bbls....lb. .65 - .68
N.F., VI, bbls....lb. .77 - .80
Gamma, bbls....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .20 - —
H, bbls....lb. .50 - .55
Hempseed oil, dms....lb. .1180-.1225
Hydriodic, 47%, bots....lb. 2.20 - 2.25
57%, bots....lb. 2.65 - 2.70
Hydrobromic, 10%, USP, cbys.lb. .18 - .20
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works...lb. .80 - 1.30
Hydrofluoric, 30%, bbls....lb. .07 - .07½
lead, cbys....lb. .09 - .09½
48%, lead cbys....lb. .11½- .12
52%, lead cbys....lb. .12½- .13
60%, lead cbys....lb. .15 - .15½
Hydrofluosilicic, 30-35%, bbls.lb. .10½- .15
Hypophosphorus, USP, 30%, djns..lb. .75 - —
Koch, bbls....lb. .36 - .37
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., bbls., works..100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works..100 lbs. 5.75 - —
cbys., works....100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., bbls., works..100 lbs. 3.75 - —
cbys., works....100 lbs. 4.75 - —
44%, bbls., c.l., works, 100 lbs. 6.50 - —
l.c.l., bbls., works..100 lbs. 6.75 - —
cbys., works....100 lbs. 7.75 - —
50%, edible, 20 and over, bbls., cbys..lb. .10½- .11⅛
plastic grade....lb. .12¼- .13¼
5 to 19, edible, bbls., cbys., lb. .11 - .12
plastic grade....lb. .12¾- .13¾
1 to 4, edible, bbls., cbys., lb. .11½- .12⅛
plastic grade....lb. .13¼- .14¼
80%, 5 and over, bbls., cbys..lb. .21 - .22
1 to 4 bbls., cbys....lb. .21½- .22⅛
USP, X, 85%, cbys....lb. .42 - .45
USP, VIII, 75%, cbys....lb. .40 - .43
Linseed oil, dark or light, dms..lb. .1300- .1340
tanks....lb. .1240- —
extra white, dms....lb. .1125- .1175
split, dms....lb. .0950- .1000
Laurent's, bbls....lb. .45 - —
Maleic, powd., dms....lb. .30 - .40
anhydride, dms....lb. .33 - .43
Malic, powd., kegs....lb. .45 - .60
Mandelic, bots....lb. 3.50 - —
fib. dms....lb. 3.25 - —
jars ....lb. 3.25 - 3.35
Mixed, tanks, nitric unit....lb. .06½- .07½
sulphuric unit....lb. .0085- .009
Monochloroacetic, tech., bbls.lb. .16 - .17
99%, bbls....lb. .18 - .19
Monosulphonic, bbls....lb. 1.50 - 1.60
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.35 - —
l.c.l., 25 and over, E. works..100 lbs. 1.60 - —
10 to 24, works..100 lbs. 1.75 - —
1 to 9, works..100 lbs. 2.35 - —
tanks, works....100 lbs. 1.00 - —
20°, cbys., c.l., E. works, 100 lbs. 1.45 - —
l.c.l., 25 and over, works, 100 lbs. 1.70 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, works....100 lbs. 1.10 - —
22°, cbys, c.l., E. works, 100 lbs. 1.95 - —
l.c.l., 25 and over, works, 100 lbs. 2.20 - —
10 to 24, works..100 lbs. 2.35 - —
1 to 9, works..100 lbs. 2.95 - —
tanks, works....100 lbs. 1.60 - —
CP, cbys....lb. .06½- .07½
6-lb. bots....lb. .08½- .12½
Myristic, dms....lb. .14¼- .15
white, redist., dms....lb. .15¾- .16½
Naphthenic, S.V. 120-200, dms, lb. .07 Nom.
210-230, dms....lb. .09 Nom.
240-280, dms....lb. .10 Nom.
sludges, dms....lb. .05 Nom.
Neville & Winther's, bbls....lb. .85 - .97
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.40 - —
1 to 9, works..100 lbs. 6.00 - —
Acid, nitric, 38°, cbys., c.l., E. works..100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works..100 lbs. 5.90 - —
1 to 9, works..100 lbs. 6.50 - —
40°, cbys., c.l., E. works, 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works..100 lbs. 6.40 - —
1 to 9, works..100 lbs. 7.00 - —
42°, cbys, c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works..100 lbs. 6.90 - —
1 to 9, works..100 lbs. 7.50 - —
CP, cbys....lb. .11½- .12⅛
7-lb. bots....lb. .12½- .22½

Prices of yellow nitric acid 25c. per 100 lbs. below those above.

Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs., and over....lb. .11 - —
smaller quantities....lb. .12 - .14
Palm oil, dms....lb. .08¾- .09⅛
Para-aminobenzoic, bbls., frt. all'd..lb. 1.25 - 1.30
Phenylacetic, bots....lb. 2.00 - 3.25
Phosphoric, tech., 50%, cbys.lb. .06 - —
75%, cbys....lb. .09 - —
USP, 85%, s.g. 1.710, djns.lb. .13 - .14
50%, s.g. 1.347, cbys, djns., lb. .14 - —
10%, dilut., cbys, djns..lb. .07 - .07½
Picramic, kgs....lb. .65 - .70
Picric, bbls., c.l....lb. .30 - —
l.c.l. ....lb. .35 - .40
Propionic, ref., cbys., works, lb. .25 - —
dms., works....lb. .22 - —
tech., cbys., works....lb. .20 - —
dms., works....lb. .16 - —
Pyrogallic, tech., lump, powd., bbls..lb. .90 - —
cns. ....lb. .95 - —
USP, cryst., cns....lb. 1.55 - 1.60
resubl., cns....lb. 1.90 - 2.00
Pyroligneous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, dms....lb. .20 - .28
Salicylic, tech., bbls....lb. .33 - —
USP, bbls....lb. .40 - .45
Sebacic, C.P., bbls., works..lb. .58 - —
tech., bbls., works....lb. .37 - .41
Soybean oil, dist., dms....lb. .10¼- .11⅛
Stearic, distil., double pressed, bgs., dlvd..lb. .12½- .13½
single pressed, bgs., dlvd.lb. .13 - .13
triple pressed, bgs., dlvd.lb. .15¼- .16¼
saponif., double pressed bgs., dlvd..lb.12¾- .13¾
triple pressed, bgs., dlvd..lb. .15½- .16½
Succinic, bbls....lb. .75 - —
Sulphanilic, CP, bots, works.lb. 1.60 - 1.68
tech., dms., works....lb. .17 - —
Sulphonaphthenic, dms....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.10 - —
l.c.l., 25 and over, works, 100 lbs. 1.35 - —
10 to 24, works..100 lbs. 1.50 - —
1 to 9, works....100 lbs. 2.10 - —
tanks, E. works....ton.12.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.35 - —
l.c.l., 25 and over, works, 100 lbs. 1.60 - —
10 to 24 works..100 lbs. 1.75 - —
1 to 9, works....100 lbs. 2.35 - —
tanks, E. works....ton.13.50 - —
98%, tanks, works....ton.16.50 - —
CP, cbys....lb. .06½- .07½
9-lb. bots....lb. .08½- .17½
fuming, 20%, tanks, E. works. ton.18.50 - —
65%, tanks, E. works....ton.35.00 - —
Tannic, tech., bbls....lb. .19 - .25
USP, fluffy, bbls....lb. .83 - .88
Tartaric USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment..lb. .21¾- —
smaller quantities....lb. .22¼- —
kgs. ....lb. .22¾- —
Tobias, bbls....lb. .65 - —
Trichloroacetic, bots....lb. 2.00 - 2.50
Tungstic, CP, kgs....lb. 2.45 - 2.70
tech., kgs....lb. 1.50 - 1.60
Aconite leaves, bls....lb. .22 - .24
Root, bls....lb. .28 - .30
Aconitine, amorph., bots....oz.17.00 -18.00
vls. ....gr. .06 - .09
cryst., bots....oz.30.00 - —
vls. ....gr. .09 - .11
Adeps, lanae, anhyd., dms....lb. .17½- .19
hyd., dms....lb. .16 - .18
Agar agar, 1, bls....lb. .80 - .81
2, bls....lb. .75 - .76
3, bls....lb. .62 - .63
Agaric, white, bls....lb. 3.00 - 3.25
Albumen, blood, dark, flake, bgs., c.l., Chicago..lb. .12 - —
ton lots, Chicago....lb. .13 - —
less than ton, Chicago.lb. .15 - .17
powd., bgs., c.l., Chicago.lb. .13 - —
ton lots, Chicago....lb. .15 - —
less than ton, Chicago.lb. .17 - .20
light, dom., flake, grade 1, dms., Chicago..lb. .50 - .60
2, dms., Chicago....lb. .45 - .50
import, bgs....lb. .50 - —
Egg, ed., dom., bbls....lb. 1.05 - —
import, cs....lb. .78 - .80
Milk, grd., sks., c.l....ton. No stocks
ungrd., sks., c.l....ton. No stocks
Vegetable ed., bbls., works..lb. .65 Nom.
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l., frt. alld..lb. .133 - —
l.c.l., frt. alld....lb. .143 - —
tanks, frt. alld....lb. .123 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .09½- —
l.c.l., same terms....lb. .10 - —
tanks, same terms....lb. .08½- —
Isopropyl, denat., grd., dms., c.l., frt., alld..gal. .32 - —
l.c.l., frt., alld....gal. .33 - —
refd., 91% dms., cl., f.o.b. dest. E. of Miss. crossing ....gal. .50 - —
l.c.l., same terms....gal. .55 - —
tanks, same terms....gal. .40 - —
98%, dms., c.l., same terms. gal. .60 - —
l.c.l., same terms....gal. .65 - —
tanks, same terms....gal. .50 - —
tech., 91%, dms., c.l., same terms..gal. .45 - —
l.c.l., same terms....gal. .50 - —
tanks, same terms....gal. .35 - —
98%, dms., c.l. same terms. gal. .55 - —
l.c.l., same terms....gal. .60 - —
tanks, same terms....gal. .45 - —
Methyl (see Methanol)
Phenylethyl, bots., cns....lb. 2.65 - 2.75
Propyl (see Isopropyl)
Aldehol, denat. grade, dms., tanks, works..gal. .70 - .80
Aldol, 95%, dms., c.l., works..lb. .21 - —
l.c.l., works....lb. .25 - —
Aletris root, bgs....lb. .30 - .31
Alizarin (see Red, alizarin).
Alkanet root, bgs....lb. .10 - .11
Aloe, Barbados, true, cs....lb. .85 - .90
Cape, cs....lb. .18 - .19
Curacao, cs....lb. .21 - .22
gourds, bbls....lb. .50 - .51
Socotrine, kgs....lb. .35 - .36
Aloin, bbls., cns....lb. 1.50 - 1.55
Alphanaphthol, bbls....lb. .52 - —
Alphanaphthylamine, bbls....lb. .32 - —
Althea root, cube cut, bls....lb. .26 - .27
Alum, ammonia, burnt, USP, bbls. lb. .16 - .17
gran., bbls., works....100 lbs. 2.75 - 3.00
dlvd. N.Y., Phila....100 lbs. 2.90 - —
lump, bbls., works....100 lbs. 3.00 - 3.25
dlvd. N.Y., Phila....100 lbs. 3.15 - —
powd., bbls., works...100 lbs. 3.15 - 3.40
dlvd. N.Y., Phila...100 lbs. 3.30 - —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rate, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point; dlvd. N.Y. prices apply to truck or ex warehouse.

Alcohol, butyl, normal, dms., c.l., frt. alld..lb. .10 - —
l.c.l., frt., alld....lb. .10½- —
tanks, frt., alld....lb. .09 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .08 - —
l.c.l., same terms....lb. .08½- —
tanks, same terms....lb. .07 - —
tertiary, denating, dms., frt. alld..lb. .14 - —
Capyrl, pure, dms., works...lb. 2.50 - —
tech., dms., works....lb. .88 - —
Cetyl., dom., C.P., fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs....lb. 1.70 - —
100 lbs....lb. 1.80 - —
25 lbs....lb. 1.90 - —
5 lbs....lb. 2.00 - —
coml., dms....lb. .95 - —
import, 85%, dms., 100 lbs.lb. .55 - —
5 to 10 lbs....lb. .75 - —
coml., dms., 350 lbs....lb. .45 - —
Cinnamic, bots....lb. 2.50 - 3.50
Denatured, CD11, 12, 13, dms., c.l., works, E., frt. equal.gal. .33 - —
20 dms., East....gal. .35 - —
1-19 dms., East....gal. .38 - —

Prices for territories other than E. of Rockies, 5c. per gal. higher. Tankcar sales require written authorization by Alcohol Tax Unit

SD1, 190 pf., bbls., c.l., E. works..gal. .33 - —
19 bbls., E. works...gal. .35 - —
1 to 18 bbls., E. works, gal. .38 - —
dms., c.l., E. works....gal. .32 - —
19 dms., E. works...gal. .34 - —
1 to 18 dms., E. works, gal. .37 - —
tanks, E. works....gal. .26 - —
Anhydrous, 5c. per gal. higher.
Special solvent, dms., c.l., E. works..gal. .33 - —
20 dms., E. works...gal. .35 - —
1 to 19 dms., E. works. gal. .38 - —
tanks, E. works....gal. .27 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, pure, contract, dms., c.l., frt. alld..lb. .18 - —
l.c.l., frt. alld....lb. .18½- —
tech., contract, dms., c.l., frt. alld. ....lb. .17 - —
l.c.l., frt. alld....lb. .17½- —
Ethyl, 190 pf., ex molasses, bbls., c.l..gal. 4.12 - —
19 bbls....gal. 4.14 - —
1 to 18 bbls....gal. 4.17 - —
dms., c.l....gal. 4.11 - —
19 dms....gal. 4.13 - —
1 to 18 dms....gal. 4.16 - —
tanks ....gal. 4.05 - —
absolute, dms....gal. 4.04 - 6.06½

Grain alcohol 40c. per gal. higher.

Furfuryl, tech., cns., works..lb. .45 - —
dms., c.l., 33,000 lbs., works, lb. .30 - —
l.c.l., 500 lbs. and more, works..lb. .35 - —
Hexyl, secondary, dms., c.l., frt. pd. E. of Rocky mts.lb. .10 - —
l.c.l., same terms....lb. .10½- —
tanks, same terms....lb. .09 - —
Isoamyl, primary, dms., l.c.l., dlvd. ....lb. .27 - —
cans, works....lb. .32 - —
Isobutyl, refd., dms., c.l. works, frt. alld. E. of Rockies.lb. .09½- —
l.c.l., same terms....lb. .10 - —
tanks, same terms....lb. .08½- —
Isopropyl, denat., grd., dms., c.l., frt., alld..gal. .32 - —
l.c.l., frt., alld....gal. .33 - —
refd., 91% dms., cl., f.o.b. dest. E. of Miss. crossing ....gal. .50 - —
l.c.l., same terms....gal. .55 - —
tanks, same terms....gal. .40 - —
98%, dms., c.l., same terms. gal. .60 - —
l.c.l., same terms....gal. .65 - —
tanks, same terms....gal. .50 - —
tech., 91%, dms., c.l., same terms..gal. .45 - —
l.c.l., same terms....gal. .50 - —
tanks, same terms....gal. .35 - —
98%, dms., c.l. same terms. gal. .55 - —
l.c.l., same terms....gal. .60 - —
tanks, same terms....gal. .45 - —

Methyl (see Methanol)
Phenylethyl, bots., cns....lb. 2.65 - 2.75
Propyl (see Isopropyl)
Aldehol, denat. grade, dms., tanks, works..gal. .70 - .80
Aldol, 95%, dms., c.l., works..lb. .21 - —
l.c.l., works....lb. .25 - —
Aletris root, bgs....lb. .30 - .31
Alizarin (see Red, alizarin).
Alkanet root, bgs....lb. .10 - .11
Aloe, Barbados, true, cs....lb. .85 - .90
Cape, cs....lb. .18 - .19
Curacao, cs....lb. .21 - .22
gourds, bbls....lb. .50 - .51
Socotrine, kgs....lb. .35 - .36
Aloin, bbls., cns....lb. 1.50 - 1.55
Alphanaphthol, bbls....lb. .52 - —
Alphanaphthylamine, bbls....lb. .32 - —
Althea root, cube cut, bls....lb. .26 - .27
Alum, ammonia, burnt, USP, bbls. lb. .16 - .17
gran., bbls., works....100 lbs. 2.75 - 3.00
dlvd. N.Y., Phila....100 lbs. 2.90 - —
lump, bbls., works....100 lbs. 3.00 - 3.25
dlvd. N.Y., Phila....100 lbs. 3.15 - —
powd., bbls., works...100 lbs. 3.15 - 3.40
dlvd. N.Y., Phila...100 lbs. 3.30 - —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rate, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point; dlvd. N.Y. prices apply to truck or ex warehouse.

Alum, Potash—Ammo. Iodide

Alum, potash, gran., bbls., works, 100 lbs.	3.00	- 3.25
divd. N.Y., Phila...100 lbs.	3.15	- —
lump, bbls., works....100 lbs.	3.25	- 3.50
divd. N.Y., Phila...100 lbs.	3.40	- —
powd., bbls., works....100 lbs.	3.40	- 3.65
divd. N.Y., Phila...100 lbs.	3.55	- —
Potash alum prices on same basis as those for ammonia alum.		
Potash-chrome, bbls.....lb.	.07	- .07½
Soda, bbls., c.l., works..100 lbs.	3.25	- —
l.c.l., divd.....100 lbs.	4.25	- 5.00
Alumina acetate, CP, 29% solut., bbls..lb.	.09	- .10
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb.	.05	- —
12,000 to 40,000 lbs., works..lb.	.06	- —
1,100 to 11,000 lbs., works..lb.	.07	- —
140 to 875 lbs., works.lb.	.08	- —
100 lbs. or less, works.lb.	.09	- —
cryst., com'l, dms., c.l., works..lb.	.06	- —
l.c.l., dms., works.....lb.	.06¼	- —
solution, 32 deg., cbys., c.l., works..lb.	.02¾	- —
l.c.l., cbys., works.....lb.	.03¼	- —
Hydrate, heavy, bbls., c.l., works..lb.	.0220	- —
less car lots, works....lb.	.02½	- —
light bbls., divd.....lb.	.18	- —
Oleate, dms., contr.....lb.	.16¾	- —
open order.....lb.	.17½	- .18½
Palmitate, precip., bbls.....lb.	.23	- —
Resinate, precip., dms., divd.lb.	.15	- —
Alumina stearate, precip., bbls., ctns., c.l..lb.	.19	- —
l.c.l., ton.....lb.	.20	- —
less than ton.....lb.	.21	- —
Sulphate, com'l bgs., c.l., works, frt. equaled..100 lbs.	1.80	- —
l.c.l., works, frt. equaid.. 100 lbs.	1.60	- —
bbls., c.l., works, frt. equaid 100 lbs.	1.55	- —
l.c.l., works, frt. equaid. 100 lbs.	1.80	- —
Iron-free, bgs., c.l., works, 100 lbs.	2.00	- —
l.c.l., works.....100 lbs.	2.25	- 2.40
truckload, divd, met. N.Y. 100 lbs.	2.40	- —
10 to 24, divd. met. N.Y. 100 lbs.	2.55	- —
5 to 9, divd. met. N.Y.. 100 lbs.	2.80	- —
1 to 4, divd. met. N. Y. 100 lbs.	3.30	- —
bbls., c.l., works.....100 lbs.	2.20	- —
l.c.l., works.....100 lbs.	2.45	- —
truckloads, divd., met. N.Y. 100 lbs.	2.60	- —
10 to 24, divd. met. N.Y. 100 lbs.	2.75	- —
5 to 9, divd., met. N.Y. 100 lbs.	3.00	- —
1 to 4, divd. met. N.Y. 100 lbs.	3.50	- —
Aluminum, 98-99%, dms., c.l..lb.	.19	- .19½
l.c.l. .....lb.	.20	- .21
Aluminum, powder, dry, lining, ext. fine, dms., 30,000 lbs.; f.o.b. ship. pt. (see note below)..lb.	.90	- —
3,000-30,000 lbs., same basis..lb.	.92	- —
Aluminum, powder, dry, lining, ext. fine, dms., 1,000-3,000 lbs., same basis. lb.	.95	- —
less than 1,000 lbs., same basis..lb.	1.00	- —
standard, dms., 30,000 lbs., same basis..lb.	.55	- —
3,000-30,000 lbs., same basis..lb.	.57	- —
1,000-3,000 lbs., same basis..lb.	.60	- —
less than 1,000 lbs., same basis..lb.	.65	- —
litho. ext. brilnt., dms, 30,000 lbs., same basis .....lb.	.41	- —
3,000-30,000 lbs., same basis..lb.	.42	- —
1,000-3,000 lbs., same basis..lb.	.46	- —
less than 1,000 lbs., same basis..lb.	.51	- —
ext. fine, dms., 30,000 lbs., same basis..lb.	.45	- —
3,000-30,000 lbs., same basis..lb.	.47	- —
1,000-3,000 lbs., same basis..lb.	.50	- —
less than 1,000 lbs., same basis..lb.	.55	- —
standard, dms., 30,000 lbs., same basis..lb.	.40	- —
3,000-30,000 lbs., same basis..lb.	.42	- —
1,000-3,000 lbs., same basis..lb.	.45	- —
less than 1,000 lbs., same basis..lb.	.50	- —
wallpaper, dms., 30,000 lbs., same basis..lb.	.40	- —
Aluminum powder, dry, litho., wall-paper, dms., 3,000-30,000lbs, same basis. lb.	.42	- —
1,000-3,000 lbs., same basis..lb.	.45	- —
less than 1,000 lbs., same basis..lb.	.50	- —
rubber comp., dms., 30,000 lbs., same basis..lb.	.39	- —
3,000-30,000 lbs., same basis..lb.	.41	- —
1,000-3,000 lbs., same basis..lb.	.44	- —
less than 1,000 lbs., same basis..lb.	.49	- —
unpolished, standard, dms., 30,000 lbs., same basis .....lb.	.35	- —
3,000-30,000 lbs., same basis..lb.	.37	- —
1,000-3,000 lbs., same basis..lb.	.40	- —
less than 1,000 lbs., same basis..lb.	.45	- —
varnish, ext. brilliant, dms., 30,000 lbs., same basis..lb.	.41	- —
3,000-30,000 lbs., same basis..lb.	.43	- —
1,000-3,000 lbs., same basis..lb.	.46	- —
less than 1,000 lbs., same basis..lb.	.51	- —
ext. fine, dms., 30,000 lbs., same basis..lb.	.45	- —
3,000-30,000 lbs., same basis..lb.	.47	- —
1,000-3,000 lbs., same basis..lb.	.50	- —
less than 1,000 lbs., same basis..lb.	.55	- —
standard, dms., 30,000 lbs., same basis..lb.	.40	- —
3,000-30,000 lbs., same basis..lb.	.42	- —
1,000-3,000 lbs., same basis..lb.	.45	- —
less than 1,000 lbs., same basis..lb.	.50	- —
paste, fine, lining, dms., 30,000 lbs., same basis, lb.	.65	- —
3,000-30,000 lbs., same basis..lb.	.67	- —
1,000-3,000 lbs., same basis..lb.	.70	- —
less than 1,000 lbs., same basis..lb.	.75	- —
extra dms., 30,000 lbs., same basis..lb.	.70	- —
3,000-30,000 lbs., same basis..lb.	.72	- —
1,000-3,000 lbs., same basis..lb.	.75	- —
less than 1,000 lbs., same basis..lb.	.80	- —
ink, dms., 30,000 lbs., same basis..lb.	.80	- —
3,000-30,000 lbs., same basis..lb.	.82	- —
1,000-3,000 lbs., same basis..lb.	.85	- —
less than 1,000 lbs., same basis..lb.	.90	- —
ink, dms., 30,000 lbs., same basis..lb.	.75	- —
3,000-30,000 lbs., same basis..lb.	.77	- —
1,000-3,000 lbs., same basis..lb.	.80	- —
less than 1,000 lbs., same basis..lb.	.85	- —
standard, dms., 30,000 lbs., same basis..lb.	.43	- —
3,000-30,000 lbs., same basis..lb.	.45	- —
1,000-3,000 lbs., same basis..lb.	.48	- —
less than 1,000 lbs., same basis..lb.	.53	- —

Aluminum powder and paste prices, in single shipments are deductible as follows: 2,000 lbs., 1c. per lb. from 3,000-30,000 lb. prices; 5,000 lbs., ¼c. from 30,000 lb. prices; 10,000 lbs., 1c. per lb. from 30,000 lb. prices; 25,000 lbs., 2c. per lb. from 30,000 lb. prices. Deduction equivalent to full freight rate allowed in quantities of 200 lbs. or over, where shipping point and destination are both E. of Miss. river; where destination is W. of Miss., but shipping point is E., deduction will be equivalent to the full freight rate only to the Miss. river; shipments ex whse. W. of Miss. net subject to freight allowance. Deliveries ex whse. extra as follows:—Chicago, Cleveland, Detroit, St. Louis, ¼c.; Houston, Kansas City, ½c.; Los Angeles, Portland, San Francisco and Seattle, 1c.; Dallas, Tulsa, ¾c.; Denver, 2c.

Ambergris, gray, tins.....oz.	22.00	-35.00
Amidopyrene, fib., dms., 100 lbs., lb.	4.00	- —
bots., 5 lbs.....lb.	4.22	- 4.25
Ammonia, anhyd., fertilizer, tanks (50,000 lbs.) works..lb.	.04½	- —
refrigeration, tanks, works..lb.	.05½	- —
pure, cyls., divd., met. N.Y. lb.	.16	- .22
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.		
Acetate, kgs.....lb.	.26	- .33
Aldehyde, dms.....lb.	.65	- .70
Aqua, 26°, cbys.....lb.	.05¼	- —
dms., c.l.....lb.	.02¼	- —
l.c.l., ...lb.	.02½	- —
tanks (on NH_3 content)...lb.	.04½	- —
tankwagons .....lb.	.02	- —
Benzoate, dms., 4,000 lbs. or more..lb.	.41	- .42
1,000 lbs. to 3,900 lbs....lb.	.42	- .43
900 lbs. or less.....lb.	.45	- .46
kgs., 4,000 lbs. or more...lb.	.40	- —
1,000 lbs., to 3,900 lbs...lb.	.41	- —
900 lbs. or less.....lb.	.44	- —
Bicarbonate, bbls., c.l., works, 100 lbs.	5.15	- —
l.c.l., divd. N.Y....100 lbs.	5.71	- —
Bifluoride, bbls.....lb.	.16	- .18
Borate, bbls., kgs.....lb.	.15	- .16
Bromide, gran., bbls.....lb.	.35	- —
bxs. .....lb.	.38	- .39
kgs. .....lb.	.36	- —
Carbonate, tech., dom., bbls..lb.	.08	- .12¼
imported, csks.....lb.	.08	- .12¼
USP, lump, dms.....lb.	.08	- .11
powd., bbls., dms.....lb.	.09	- —
Chloride, tech. (see Ammoniac, sal)		
USP, gran., bbls.....lb.	.11	- .18
kgs. .....lb.	.15	- —
Citrate, dms.....lb.	.80	- —
cns. .....lb.	.86	- —
Fluoride, bbls.....lb.	.17	- .19
Hydroxide (see Ammonia, aqua).		
Hypophosphite, tin., dms.....lb.	1.10	- 1.17
jars .....lb.	1.20	- —
Iodide, 5-lb. bots.....lb.	3.32	- —
jars .....lb.	3.25	- —

SOURCE of supply is a mighty important factor in buying lacquer solvents. When you standardize on PENTASOL and PENT-ACETATE, you are assured of continuous availability and uniform high quality.
PENTASOL and PENT-ACETATE are ALL AMYL—Sharples-made and Sharples-guaranteed. Lacquers formulated with them have smoother, more lustrous and enduring films. Specify PENTASOL and PENT-ACETATE—for uniformity in lacquer formulation.
SHARPLES
TRADE
MARK
SOLVENTS
PENTASOL and PENT-ACETATE
THE SHARPLES SOLVENTS CORP.
2302 Westmoreland St., Philadelphia, Pa.
84 East Jackson Boulevard, Chicago, Ill.
551B Fifth Avenue, New York, N. Y.

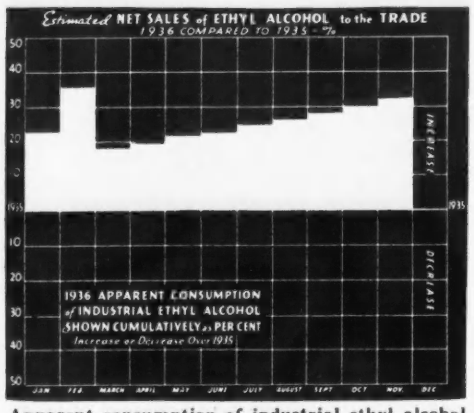
RECEIVED FEB 15 1937

ADVERTISEMENT—*This entire page is a paid advertisement.*

Prepared Monthly by the U. S. Industrial Alcohol Co.

ALCOHOL NEWS

February ★ A Monthly Series of Technical Articles for Chemists and Executives ★ 1937


Estimated NET SALES of ETHYL ALCOHOL to the TRADE
1936 COMPARED TO 1935 - %
INCREASE
DECREASE
1935
1936 APPARENT CONSUMPTION of INDUSTRIAL ETHYL ALCOHOL SHOWN CUMULATIVELY, AS PER CENT Increase or Decrease Over 1935
JAN. FEB. MARCH APRIL MAY JUNE JULY AUGUST SEPT. OCT. NOV. DEC.

Apparent consumption of industrial ethyl alcohol from Jan. 1 to Nov. 30, 1936, was 68,870,000 wine gallons. This is 33.0 per cent greater than during the same period in 1935 when 51,757,000 wine gallons were consumed.

U. S. I. DEVELOPS NEW SAMPLE CONTAINERS

When U. S. I. introduced its striking new container for shipping liquid samples recently, the search for the elusive bottle through piles of sawdust in the bulky, desk-scratching, wooden box became a thing of the past. For many years chemical buyers have been awaiting a compact and modern sample shipping container which could be opened on a desk along with routine mail.

Although essentially a simple design, much tedious research was necessary to devise a package which would be practical and could be sent by parcel post.

From four ounces to quart samples of many U. S. I. products may be mailed readily in glass bottles in the new packages, thus materially reducing transportation charges and the costly shipping boxes. A light, metal can with a safe, triple-tight seal replaces the old unwieldy box. Instead of the messy sawdust which has plagued recipients heretofore U. S. I. uses a highly-absorbent cellulose filler to protect the bottle.

An attractive utility label, decorated with green and white stripes, lists U.S.I. products. By means of a novel design one label may be adapted to fit the 4-oz., 8-oz., pint and quart size containers.

EXTRACT VITAMIN C FROM PINE NEEDLES

Of interest to vitamin manufacturers is the work of two Russian chemists on the extraction of Vitamin C from pine needles. According to reports, they concentrated a water extract of Vitamin C to 40-43° Be. by heating without boiling. This solution had good stability and it was possible to remove the bitter tar-like and aromatic bodies with a solution of 2 parts of ethyl alcohol and one part benzene. Addition of 1½ to 2 volumes of 70% alcohol to one volume of concentrate was sufficient for clarification.

It was observed that samples of needles collected in Spring had three times as much Vitamin C content—about 0.3%—as those collected in August. It was also noted that steaming increased the stability of the vitamin.

NEW TECHNIQUE TO ESTIMATE ALCOHOLS

Authors Say Method Gives Rapid Determination of Monohydric Alcohols and Glycols

Precipitation of the xanthogenate and subsequent titration with n/10 iodine is a technique reported from abroad, for analyzing saturated alcohols and glycols. The method depends upon the reactions

$$ROH + CS_2 + KOH = RO.CS.SK + H_2O$$
$$2\ RO.CS.SK + I_2 = (RO.CS.S)_2 + 2KI$$

The xanthogenate is prepared by boiling the alcohol with an approximately equi-molecular quantity of powdered potassium hydroxide. When the potash is dissolved and the solution is cool, 1½ parts of carbon disulfide is added to precipitate the xanthogenate.

This precipitate is purified by washing twice with ether, dissolving in hot alcohol or acetone, after which it is again precipitated with ether. From 0.15 to 0.25 grams of the dried xanthogenate are exactly weighed, dissolved in 200 ml. of water and titrated with n/10 iodine.

The authors state that the method is not applicable to the determination of tertiary alcohols nor the differentiation of isomers.

W. J. FRIED SUCCEEDS HARRISON

Walter J. Fried, well known in industrial alcohol circles, has been appointed to succeed Paul Harrison as Manager of Alcohol Sales of the New York Division.

Formerly Assistant Manager of USI's Eastern Alcohol Sales, Mr. Fried assumed his new duties on Jan. 1 when Mr. Harrison retired.

Executives in the drug, chemical and cosmetic industries will meet in New York City on Thursday, March 4th, for the Twelfth Annual Drug, Chemical and Allied Trades Banquet.

STUDY BEAUTY AID BUYING BY WOMEN

Survey Indicates Over 94% Use Face Powders, 30% Use Depilatories; Alcohol Basis of Many Items

What does a woman buy when she enters the beauty department of a store? How much of her money goes for the purchase of powder, lipstick, hand lotion, deodorants or countless other beauty aids?

These and similar pertinent questions have engaged the attention of merchandisers and manufacturers everywhere. Perhaps one of the most informative series of answers has been tabulated in a survey now available in the book, "Faces and Figures," published recently.

Replies From 1200 Women

With findings based upon the replies of over 1200 women scattered throughout the country, the survey gives the following tabulation which shows the percentage of women using various preparations:

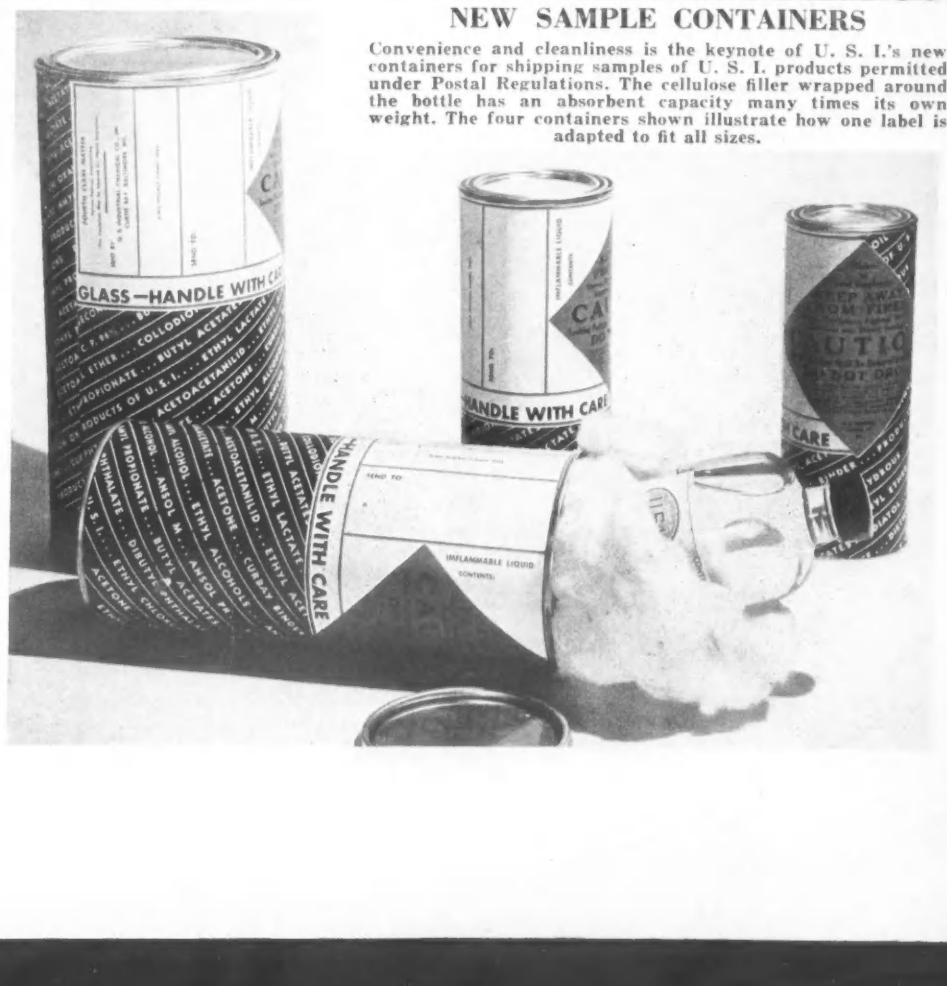
	Per Cent
Face Powders	94.3
Lipstick	93.7
Hand Lotions	90.9
Home Facials	90.8
Manicure Items	89.4
Face Creams	88.6
Skin Tan	88.0
Rouge	87.0
Deodorants	87.0
Powder Bases	80.0
Face Lotions	77.0
Reducing Items	73.7
Shampoos	72.9
Hair Removers	30.0

Most of the women in the group questioned were in the younger age brackets with approximately 57 per cent in years from 18 to 25; 30.4 per cent from 26 to 35;

(Continued on next page)

NEW SAMPLE CONTAINERS

Convenience and cleanliness is the keynote of U. S. I.'s new containers for shipping samples of U. S. I. products permitted under Postal Regulations. The cellulose filler wrapped around the bottle has an absorbent capacity many times its own weight. The four containers shown illustrate how one label is adapted to fit all sizes.



ADVERTISEMENT—*This entire page is a paid advertisement.*

February ★ **ALCOHOL NEWS** ★ 1937

A. I. Ch. E. Committee Report Urges Constant Vigilance Against Detrimental Industrial Alcohol Legislation

When more than forty state legislatures as well as Congress convene during 1937, "bills either threatening the status of . . . or contriving . . . to restrict the scientific and industrial uses of the chemical, alcohol" may be introduced, it was pointed out in the report of the Committee on Industrial Alcohol to the 29th annual meeting of the A. I. Ch. E.

Emphasizing the importance of maintaining the closest cooperation between producers, users and federal authorities to make secure alcohol's role as a vital raw material in industry, the Committee stressed a policy of steadfast vigilance against such legislation. Quoting the report,

"It is not to be supposed that the industrial alcohol situation is ever static. . . . While there have been several court decisions holding that Title III of the National Prohibition Act survived repeal, it was not until liquor law repeal and enforcement Act of August 27, 1935, that such survival was recognized by statute. Its continuance was also insured by H. R. 9185. The extent to which alcohol is a subject of continuing interest is shown by the second edition of 'Alcohol Under State Liquor Laws', compiled by Captain James P. McGovern, general counsel of the Industrial Alcohol Institute."

That technical men, with a wide knowledge of how alcohol functions in industrial processes, can aid in steering the industry clear of some of these legislative shoals is a conclusion of the report.

BRUSHLESS SHAVE CREAMS DULL RAZOR BLADES?

Shaving cream is an important factor in the effective life of razor blades, according to one investigator. He reports that brushless creams dull blades more rapidly than brush-type and places the blame on their pH value.

Tests of commercial brushless creams revealed a pH of 7.2 while the brush-type had 9.4. Since oxygen corrosion of steel occurs readily at a pH of 7.2 but is appreciably retarded at 9.4, the theory was formulated that the alleged dulling is due to corrosion during shaving.

Potassium chromate was added to a sample of brushless shaving cream to retard this corrosion. Five men, using different makes of razors, reported from 50 to 200 per cent more shaves when using the chromate-treated cream.

W. W. Davis, nephew of the late James A. Webb and salesman for the U. S. I. subsidiary, James A. Webb and Son, for 56 years until his retirement in 1934, died Jan. 12 at his home in Madison, N. J. Mr. Davis was born Feb. 11, 1861.

STUDY EXPENDITURES BY WOMEN FOR BEAUTY AIDS

(Continued from preceding page)

8.3 per cent from 36 to 45; and 4.3 per cent were 46 or over.

In February of 1936, the classified average expenditures of women in the group were:

For care of the hair	$2.82
For care of the face	$2.29
For care of the hands	$1.15

These tabulations also provide an indirect index of how extensively industrial ethyl alcohol is employed by users of beauty aids. Practically every product in the list utilizes alcohol either as a solvent or as a chemical. Here is food for thought that should focus attention on the desirability of using a large volume of alcohol to stimulate a wider sale for items in the lower sales classifications.

In particular may be mentioned deodorants, powder bases, face lotions and shampoos whose sales lag behind those of lipstick and hand lotions. The deodorant market, it is evident, has not realized its full potentialities. With greater promotion, it seems reasonable that its sale can be extended to a wider circle of women and to a sizeable portion of the men's market.

The use of liquid powder bases is still not fully appreciated by women at large. A good portion of this market still goes to various creams, and women still need to be educated to a better appreciation of the virtues of the powder base.

Shampoos have been vastly improved in recent years and their ultimate market has tended to widen, but still greater promotion is needed. When this is done, it should be kept in mind that alcohol is an indispensable aid in capturing greater sales.

J. W. DUNN RETIRES

Known for many years as Number One salesman for Industrial Alcohol in the middle west, John W. Dunn, Detroit Division Manager of the U. S. Industrial Alcohol Co., retired January 1, 1937 after 18 years of loyal service. Just prior to Mr. Dunn's retirement, Mr. Fred Henley of the U. S. Industrial Alcohol Co.'s Chicago office sales staff was promoted to succeed him.

TECHNICAL DEVELOPMENTS

Excellent detergent action is claimed for a new compound developed recently. The material is also credited with the ability to form stable emulsions of water and oils. It is a neutral, free-flowing liquid with a solids content of 85 per cent.

U S I

Portable mixers, equipped with totally enclosed, air-jacketed and explosion-proof motors have been perfected according to the recent announcement of a manufacturer. It is said that they may be used on inflammable batches in hazardous locations or over steaming kettles, jacketed tanks and other receptacles which throw off steam and acid fumes.

U S I

A wax with a free cholesterin content of 33 per cent and 7 per cent combined cholesterin has been announced recently. It is reported to be derived from lanolin. As little as one-half of 1 per cent imparts a nourishing effect to creams and lotions, according to the manufacturer.

U S I

A moving pipe conveyor recently introduced has a rubber pipeline which travels with the material from feed to discharge. The manufacturer claims that any number of directional changes can be made, and wet and dry solids handled.

U S I

A higher fatty alcohol base for the manufacture of hair preparations was introduced recently. Preparations made from the base dissolve clear in cold and hard water, clean the hair and scalp thoroughly, but do not defat the hair and skin to such an extent that scalp irritations develop, the manufacturer reports.

U S I

Oval-shaped test tubes, now on the market, are said to improve the technique for making Agar slants. The tube manufacturer states that a much larger area for growing cultures is provided by an equal amount of culture medium and that the culture can be examined under the low power of the microscope.

U S I

Cellulosic lacquers may be removed from the skin with a water-rinsable detergent composition recently patented. It is described as a complex mixture of ester solvents, soap, glycerine, abradant material and a chlorinated hydrocarbon blending agent.

U S I

A new liquid coating material is said to form a heat-resisting, flexible film on metallic, glass and other surfaces. The maker states that the material is suitable for coating the inside of metal containers, collapsible tubes, etc. The coating can be applied by brushing, spraying or spreading.

A folder giving the history of industrial alcohol, its industrial uses, a pictograph of alcohol manufacture, and a summary of government regulations may be secured by writing to U. S. I.

U. S. INDUSTRIAL ALCOHOL CO.

WORLD'S LARGEST PRODUCERS OF INDUSTRIAL ALCOHOL

ETHYL ALCOHOL

SPECIALLY DENATURED-*All Formulas* • COMPLETELY DENATURED-*All Formulas* • ANHYDROUS-*Denatured* • ABSOLUTE-*Pure*

SOLOX-*The General Solvent* • U. S. I. DENATURED ALCOHOL • SUPER PYRO *Anti-Freeze*

PURE (190 PROOF) TAX PAID—TAX FREE

U. S. I.—U. S. P.-*Ethyl* • WEBB'S-*Ethyl*

Executive Offices: 60 East 42nd Street, New York, N. Y. Branches in all Principal Cities.

Ammonia, laurate, bbls.....lb. .10 - —
Linoleate, 50%, anhyd., bbls..lb. .11 Nom.
Naphthenate, bbls.....lb. .11 - —
Nitrate, tech., cks.....lb. .04 Nom.
Oleate, bbls.....lb. .10 - —
Oxalate, neutral, cryst., powd., bbls., kgs..lb. .22½- —
Perchlorate, kgs.....lb. .16 - —
Persulphate, kgs.....lb. .21 - .22
Phosphate, dibasic, N.F.V., bbls. lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .09 - .10
monobasic, pure, bbls.....lb. .40 - .42
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .09 - .10
Ricinoleate, bbls.....lb. .15 - —
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Sulphate, dom., bulk, c.l., Feb.-June dlvy., dlvd., Ill., Ind., Mich., Ohio..ton.25.00 - —
f.o.b. cars, Atlantic, Gulf ports..ton.27.00 - —
Birmingham, Ala., ovens..ton.27.00 - —
Northern ovens..ton.22.00 - —
barge lots, Sparrows Point, Md., Brooklyn, N. Y..ton.26.00 - —
dbl. bgs., export, f.a.s. N.Y., ton. No prices
Sulphide, liquid, dms., works..lb. .12 - .15
tanks, delvd.....lb. .11 - —
Sulphocyanide, com'l.....lb., dms., 2,000 lbs., works..lb. .14 - —
smaller lots, works....lb. .16 - —
pure, 99-100%, kgs.....lb. .55 - —
Ammoniac, gum (see Gum, ammoniac).
Sal. gray, dom., bbls. c.l. 100 lbs. 5.00 - 5.25
l.c.l. .....100 lbs. 5.50 - .0620
import, gran., csks.....lb. 5.00 - .0620
white, gran., dom., bbls., contracts, works..100 lbs. 5.00 - 5.05
import, csks.....100 lbs. 5.00 - 5.05
Amyl acetate, ex fusel oil, dms., c.l., works..lb. .11½- —
l.c.l., frt. alld.....lb. .12 - —
tanks, works.....lb. .10½- —
ex pentane, dms., frt., alld., lb. .125 - —
l.c.l., frt., alld.....lb. .135 - —
tanks, frt., alld.....lb. .115 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .09½- —
l.c.l., same terms.....lb. .10 - —
tanks, same terms.....lb. .08½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, ons.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
Chlorides, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .077 - —
tanks, works.....lb. .06 - —
Mercaptan, dms., l.c.l., works.lb. 1.10 - —
Nitrite, bots.....lb. 1.80 - 1.85
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, cans.....lb. .65 - 1.25
Stearate, dms., l.c.l. works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.05 - 1.10
Angelica root, dom., bls.....lb. .23 - .25
import, natural, bls.....lb. .35 - .38
twisted, bls.....lb. .48 - .50
Angostura bark, bls.....lb. .35 - .36
Anilin oil, dms.....lb. .15 - .16
tanks .....lb. .14 - —
Salt, dms., works.....lb. .22 - .24
Anise, Russian, bgs.....lb. .09½- .11
Spanish, bgs.....lb. .13 - .13½
Star, bgs.....lb. .11½- .12
Anisic aldehyde, bots.....lb. 2.75 - 3.00
Annatto paste, bxs.....lb. .34 - .37
Seed, bgs.....lb. .07½- .08½
Anthraquinone, 99.5%, subl., bbls. lb. .65 - —
Antimony, butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal .....lb. .14¼- .15¼
Needle, powd., bbls.....lb. .14 - .16
Oxide, dom., bbls., c.l.....lb. .14½- — l.c.l. .....lb. .14¾- —
import, bbls.....lb. .14¼- .14¾
Salts, 65%, kgs.....lb. .22 - .25
Sulphuret, golden, bbls.....lb. .22 - .23
White pigment, bgs., Texas works, frt. alld. to ½c. lb. c.l..lb. .10½- .13¼
Antipyrene, bbls., kgs., ton lots. lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz. 23.20 -23.70
Archil extract, conc., bbls.....lb. .21 - .27
double, bbls.....lb. .18 - .20
triple, bbls.....lb. .18 - .20
Areca nuts, powd., bbls.....lb. .10 - .12
Arecoline hydrobromide, bots., oz. 5.50 - 6.50
Argols, crude, 30%, csks.....lb. .07 - .08
80-85%, csks.....lb. .16 - .18
Arnica flowers, bls.....lb. .28 - .29
Root, bls.....lb. .38 - .40
Arrowroot, St. Vincent, powd., bgs..lb. .08¾- .09¾
bbls. .....lb. .08½- .09
Arsenic iodide (arsenous), 5 lb. bots..lb. 5.15 - —
jars .....lb. 5.00 - —
Metal, lump, cs.....lb. .42 - .43
Red, import., cs.....lb. .15¾- .16¼
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03 - —
l.c.l. .....lb. .03¾- —
Arsenous chloride, cns.....lb. 4.85 - —
Asafetida, cs.....lb. .18 - .19
powd., bbls., bxs.....lb. .32 - .35
Asbestine (see Talc. N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton.37.50 - —
5R, bgs., c.l. (20 tons), Canad. mines—ton.35.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton.27.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.23.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.21.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.17.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.14.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.12.00 - —
Asphaltum, Barbados, A, bgs., 20 tons, f.o.b. N. Y.....lb. .02¼- —
smaller lots, f.o.b. N.Y..lb. .03½- —
AA, bgs., 20 tons, f.o.b. N. Y..lb. .08½- —
smaller lots, f.o.b. N. Y..lb. .10½- —
California, dms., c.l., f.o.b.N.Y. ton.29.00 - —
l.c.l., f.o.b. N. Y.....ton36.50 - —
Cuban A., bgs., c.l., f.o.b. N. Y. ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton 70.00 - —
Asphaltum, Cuban, B, bgs., c.l., f.o.b. N.Y...ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b.N.Y.lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points. ton.32.90 - —
seconds, bgs., c.l., Western shipt. points.....ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.30.50 - —
l.c.l., f.o.b., N. J. or N. Y., whse..ton.49.50 - —
Jet, bgs., c.l., Western shipping points..ton.30.50 - —
Maltha, dms., c.l., f.o.b.N.Y.ton.29.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Manjak (see Asphaltum, Barbados).
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery .....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum cut-back, bbls., l.c.l., E. cst., refinery..gal. .13 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery....ton.12.50 -14.00
East Coast, refinery....gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans refinery....gal. .06 - —
Wyo., refinery.....gal. .07½- —
Atropine, bots.....oz. 5.25 - 5.80
Sulphate, bots.....oz. 2.90 - 3.55
cns. .....oz. 2.85 - —

B

Balm of Gilead buds, bgs....lb. .21 - .23
Barberry bark, bgs.....lb. .10 - .11
Root bark, bls.....lb. .14 - .15
Barbital, cs. .....lb. 3.25 - 3.30
Barium carbonate, natural, 90%, grd., bgs., c.l., works, ton.42.00 - —
99%, 200 mesh, bgs., c.l., works..ton.45.00 - —
Barium carbonate, precip., bgs., bbls., c.l., works..ton.52.50 -57.50
l.c.l., works .....ton.57.50 -62.50
sulphur-free bgs., bbls., c.l., works..ton.57.50 -62.50
Chlorate, kgs.....lb. .16½- .17½
Chloride, C.P., cryst., bbls...lb. .19 - —
dms. .....lb. .20 - —
tech., dom., cryst., bbls., bgs., c.l., Zone 1, dlvd. New England States, N. Y., N. J., Pa., Md., Dela., Va., West Va., Ohio, Mich., Ind., Wisc., Ill., Ky. and principal cities on west bank of Miss., north of Arkansas line. ton.72.00 -74.00
l.c.l., same basis....ton.85.00 -87.00
Zone 2, bgs., bbls., c.l., dlvd. Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla.....ton.76.00 -78.00
l.c.l., same basis....ton.89.00 -91.00
Zone 3, bgs., bbls., c.l., dlvd. Minn., Ia., Mo., Tex., Mont., Wyo., Col., N. Mex., Idaho, Utah, Ariz., ton.82.00 -84.00
l.c.l., same basis....ton.95.00 -97.00
Zone 4, bgs., bbls., c.l., dlvd. Wash., Ore., Calif., Nev..ton.78.00 -80.00
l.c.l., same basis....ton.91.00 -93.00
Dioxide, dms.....lb. .11 - .15
Fluoride, bbls. .....lb. .15 - .16
Fluosilicate, bbls. .....lb. .15 - .16
Hydrate (see Hydroxide).
Hydroxide, bbls.....lb. .04¾- .05½
Iodide, bots. .....lb. 4.30 - 4.45
Monoxide (see Oxide).
Nitrate, cks.....lb. .07 - .08¼
Oxide, dms. .....lb. .11 - .15
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.23.65 - —
l.c.l., ex wrhse., Boston, ton.36.00 - —
Chicago .....ton.30.85 - —
Cleveland .....ton.33.50 - —
New York.....ton.32.00 - —
paper bgs., c.l., St. Louis, ton.22.85 - —
l.c.l., ex car, Baltimore, ton.30.70 - —
Boston .....ton.31.70 - —
Philadelphia .....ton.30.50 - —
ex wrhse., Baltimore.ton.32.10 - —
Boston .....ton.35.20 - —
Chicago .....ton.30.35 - —
Cleveland .....ton.33.00 - —
Detroit .....ton.33.00 - —
Kansas City.....ton.30.93 - —
Los Angeles.....ton.42.00 - —
New York.....ton.31.50 - —
Philadelphia .....ton.31.90 - —
San Francisco.....ton.42.00 - —
Toronto .....ton.39.30 - —
Southern off color, bulk, mines..ton.12.00 - —
95.75%, bulk, mines.....ton.16.00 - —
ore, bulk, mines, long ton. 7.00 - —
German, grd., bbls., c.l., dock., t.a..ton.25.00 -26.00
l.c.l., ex wrhse.....ton.30.00 - —
ungrd., bulk, c.l., ex dock, ton.13.00 -14.00
Italian, grd., bbls., c.l., ex dock, t.a..ton.29.50 Nom.
l.c.l., ex wrhse.....ton. 32.50 - —
Bauxite, bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay rum, import., bbls.....gal. .71½Nom.
Bayberry bark, bgs.....lb. .35 - .40
Belladonna leaves, bls.....lb. .14 - .15
Root, bls.....lb. .11 - .12
Bentonite, 1, 96%, 300 mesh, bgs., Wyo. works..ton.16.00 - —
2, 92%, 300 mesh, bgs., Wyo. works..ton.11.00 - —
Benzaldehyde, tech., cbys., dms. lb. .60 - .70
USP, X, dms., 50 to 100 lbs..lb. 1.25 - —
5 to 25 lbs.....lb. 1.30 - 1.35
Benzene (see benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, nitration, pure, dms., works .....gal. .21 - —
tankcars, frt. alld. E. of Omaha..gal. .16 - —
Benzol tankcar prices, West, f.o.b. works. sellers'
Benzoyl chloride, dms.....lb. .40 - .47
Benzyl acetate, f.f.c., bots....lb. .56 - 1.00
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., tins.lb. .90 - 1.20
Chloride, 95-97%, refd., dms.lb. .30 - .40
tech., dms.....lb. .25 - .26
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.35 - 3.50
Berberine bisulphate, cns.....lb.13.00 -13.25
Hydrochloride, cns.....lb.13.00 -13.25
Sulphate, cns.....lb.14.75 -15.00
Berberis root, bls.....lb. .10 - .11
Betanaphthol, subim., bbls....lb. .55 - —
kgs. .....lb. .60 - —
tech., bbls., c.l., works.....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib. dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphthylamine, tech., kgs..lb. .51 - —
Beth root, bls.....lb. .14 - .15
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.77 - —
jars .....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.27 - —
cns. .....lb. 3.15 - —
Metal, ton lots.....lb. 1.00 - —
Nitrate, cryst., 5-lb. bots....lb. 1.35 - —
cns. .....lb. 1.20 - —
Oxychloride, 5-lb. bots.....lb. 3.04 - —
cns., kgs.....lb. 2.75 - —
Subbenzoate, 5-lb. bots.....lb. 3.37 - —
cns. .....lb. 3.25 - —
Subcarbonate, cns.....lb. 1.50 - —
fib. dms., kgs.....lb. 1.40 - —
X-ray, 5-lb. bots.....lb. 2.22 - —
fib. dms.....lb. 2.60 - —
Subgallate, cns.....lb. 1.60 - —
fib. dms.....lb. 1.50 - —
Subiodide, cns.....lb. 1.40 - —
fib. dms.....lb. 1.30 - —
Subnitrate, powd., bots., bbls., fib., dms..lb. 1.30 - —
cns. .....lb. 1.40 - —
Subsalicylate, 62-66%, bxs..lb. 2.44 - —
bbls., fib. dms.....lb. 2.35 - —
Sulphocarbolate, 5-lb. bots..... fib. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.57 - —
cns. .....lb. 3.45 - —
Bismuth-ammonia citrate, USP, powd., 5-lb. bots..lb. 3.40 - —
cns. .....lb. 3.30 - —
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
fib. dms.....lb. 3.05 - —
Black, bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .15 - —
l.c.l., frt. alld. E.....lb. .15½- —
1, bbls., bgs., c.l., frt. alld. E..lb. .11½- —
l.c.l., frt. alld. E.....lb. .12 - —
2, bbls., bgs., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
3, bbls., bgs., c.l., frt. alld. E..lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
4, bbls., bgs., c.l., frt. alld. E..lb. .07½- —
l.c.l., frt. alld. E.....lb. .08 - —
5, bbls., bgs., c.l. frt. alld. E..lb. .06½- —
l.c.l., frt. alld. E.....lb. .07 - —
6, bbls., bgs., c.l., frt. alld. E. lb. .05½- —
l.c.l., frt. alld. E.....lb. .06 - —
7, bbls., bgs., c.l., frt. alld. E. lb. .08 - —
l.c.l., frt. alld. E.....lb. .08½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, special, 1, bgs., c.l., works..lb. .05 - —
l.c.l., dlvd.....lb. .07½- —
ctns., l.c.l., dlvd.....lb. .08¼- —
cs., l.c.l., dlvd.....lb. .09 - —
2, bgs., c.l., works.....lb. .08½- —
l.c.l., dlvd.....lb. .10½- —
cs., l.c.l., dlvd.....lb. .12 - —
3, bgs., c.l., works.....lb. .13 - —
l.c.l., dlvd.....lb. .14½- —
cs., l.c.l., dlvd.....lb. .16½- —
4, bgs., c.l., works.....lb. .27½- —
cs., c.l., works.....lb. .29 - —
l.c.l., dlvd.....lb. .32 - —
5, bgs., cs., c.l., works..lb. .40 - —
cs., l.c.l., dlvd.....lb. .44 - —
6, cs., l.c.l., dlvd.....lb. .60 - —
7, cs., l.c.l., dlvd.....lb. 1.10 - —
standard, bgs., c.l., dlvd. rail zone A (Gulf ports), for delivery in N.A. (water freights extra), lb. .0445- —
B (Ark., Col., Kan., part of Mo., N. M., Tex., except coastal ports)..lb. .0475- —
50,000 lbs., dlvd., Zone C (Pac. Cst. States)...lb. .0490- —
30,000 lbs., dlvd., Zone C (Pac. Cst. States)...lb. .0505- —
D (Ill., Ia., Wis.)..lb. .0490- —
E (Fla., Ga., Ind., Ky., Mich., part of N. Y. Ohio, part of Pa., Tenn., W. Va.)..lb. .0505- —
F (Me., Md., Mass., N. H., N. J., part of N. Y., N. C., part of Pa., R. I., S. C., Vt., Va.)..lb. .0535- —
G (Mexico).....lb. .0455- —
l.c.l., f.o.b. whse.....lb. .07 - —
ctns., l.c.l., dlvd. all zones, lb. .07½- —
cs., l.c.l., dlvd. all zones..lb. .08½- —
export, full, comprsd., cs., f.a.s. Gulf ports..lb. .05½ Nom.
uncompressed, cs., f.a.s. Gulf ports..lb. .06 Nom.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, bbls., l.c.l., works..lb. .07¾- .08½
2, bbls., l.c.l., works...lb. .07 - —
pure, bbls., works.....lb. .08¾- —
Ivory, genuine, bbls.....lb. .30 - .35
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
import, 1, bbls., c.l., f.o.b. N. Y..lb. .08 - —
l.c.l., f.o.b. N. Y.....lb. .09 - —
2, bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y.....lb. .12 - —
3, bbls., c.l., f.o.b. N. Y..lb. .13 - —
l.c.l., f.o.b. N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b. N. Y..lb. .14 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y.....lb. .20 - —
6, bbls., c.l., f.o.b. N. Y..lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .25 - —
Vine, A, bbls., works or N.Y.lb. .04¼- —
B, bbls., works or N. Y...lb. .05½- —
Black dyes are listed under Dyes.

Ammo. Laurate—Brimstone

Black haw root bark, bls.....lb. .23 - .25
Tree bark, bls.....lb. .13 - .14
Black Indian hemp root, bls...lb. .12 - .13
Blanc fixe, dry, by-product, bgs., c.l..ton.60.00 -65.00
l.c.l. .....ton.65.00 -70.00
high grade precip., bgs., c.l., works, frt. equal..ton.70.00 - —
l.c.l., same basis.....ton.75.00 - —
pulp, 66⅔%, bulk, c.l., works, ton.40.00 -42.50
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.55
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y. unit-ton. 4.25 - —
high-grade, grd., 16-17% ammon, bulk, f.o.b. Chi. unit-ton 4.00 - 4.10
import, bgs., c.i.f. ports, Apr. shipt..unit-ton. 3.90 - —
soluble (see Albumen, blood)
Bloodroot, bls.....lb. .14 - .15
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .90 - —
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine, group 6).
Copper phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 4.75 - —
Milori, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Potash, bbls., same basis alkali toner, contracts..lb. .43 - —
open order.....lb. .46 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .36 - —
open door.....lb. .37 - —
Soluble, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Ultramarine, dry, jobbing, bbls., works, frt. equaled..lb. .10 - —
regular, 1, bbls., works, frt. equald..lb. .15 - —
2, bbls., same basis.....lb. .17 - —
3, bbls., same basis.....lb. .18 - —
4, bbls., same basis.....lb. .19 - —
5, bbls., same basis.....lb. .22 - —
6, cobalt, A, same basis.lb. .26 - —
B, bbls., same basis..lb. .23 - —
C, bbls., same basis..lb. .22 - —
D, bbls., same basis.lb. .21 - —
7, A, bbls., same basis..lb. .22 - —
B, bbls., same basis...lb. .21 - —
special, 1, bbls., same basis lb. .18 - —
2, bbls., same basis....lb. .19 - —
3, bbls., same basis....lb. .21 - —
4, bbls., same basis....lb. .22 - —
5, bbls., same basis....lb. .24 - —
6, bbls., same basis....lb. .26 - —
pulp, 1, bbls., same basis..lb. .26 - —
2, bbls., same basis.....lb. .24 - —
3, bbls., same basis.....lb. .22 - —
4, bbls., same basis.....lb. .19 - —
Ultramarine, blue, dlvd, ex whse. is 1c. higher; Pac. Coast ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blueflag root, bls.....lb. .15 - .16
Blue mass, USP., cns., kgs....lb. 1.00 - 1.02
Blue vitriol, 99%, cryst., bbls., c.l., f.o.b. N.Y., Chicago, Cooper Hill, Tenn. 100 lbs. 4.85 - —
16-25, same basis.100 lbs. 5.00 - —
6-15, same basis..100 lbs. 5.10 - —
3-5, same basis...100 lbs. 5.35 - —
1-2, same basis...100 lbs. 5.55 - —
monohydrated, dms., c.l. dealers..lb. .08½- —
l.c.l., dealers.....lb. .09½- —
Bluestone (see Blue vitriol).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.28.00 -30.00
c.i.f., Atlantic ports..ton.35.75 - —
S.A., bgs., c.i.f. ports.ton. No prices.
meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.23.00 -25.00
import, 100-lb. bgs., c.i.f. ports, Apr. shipt..ton.26.25 - —
phosphate, precip. (see Calcium phosphate dibasic, precip.)
steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago..ton.20.00 -22.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports.ton.26.00 - —
Borage flowers, bls.....lb. .21 - .23
Borax, tech., 99½%, cryst., bbls., contracts, 80 tons min., dlvd..ton.56.00 - —
c.l., dlvd.....ton.60.00 - —
l.c.l., ex whse.....ton.65.00 -70.00
sks., contracts, 80 tons min., dlvd..ton.46.00 - —
c.l., dlvd.....ton.50.00 - —
l.c.l., ex whse.....ton.55.00 -60.00
gran., bbls., contracts, 80 tons min., dlvd..ton.50.00 - —
c.l., dlvd.....ton.54.00 - —
l.c.l., ex whse.....ton.59.00 -64.00
sks., contracts, 80 tons min., dlvd..ton.40.00 - —
c.l., dlvd.....ton.44.00 - —
l.c.l., ex whse.....ton.49.00 -54.00
powd., bbls., contracts, 80 tons min., dlvd..ton.55.00 - —
c.l., dlvd.....ton.59.00 - —
l.c.l., ex whse.....ton.64.00 -69.00
sks., contracts, 80 tons min., dlvd..ton.45.00 - —
c.l., dlvd.....ton.49.00 - —
l.c.l., ex whse.....ton.54.00 -59.00
USP., $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers East of and inc. N. D., S. D., Neb., Kan., Okla., Texas..lb. .10 - —
consumer, dms., same basis.lb. .10½- —
l.c.l., dealers, dms., same basis..lb. .10½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs. and over; no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots.....lb. 1.75 - 2.00
cns .....lb. 1.50 - —
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).

for chemical progress

Hercules Experiment Station, near Wilmington, is more than a group of splendidly equipped laboratories; it represents an organized effort to help in the solution of problems in the industries using Hercules products.

Are You Looking for New Ingredients?

In laboratories all over the country, chemists are working on new formulations and are trying to improve old ones. If often happens that an ingredient with certain characteristics is needed to give desired results. Perhaps you cannot find a product with exactly the characteristics wanted. If this is the case—consider Hercules. It is possible that some of our new products will meet required specifications. It is possible, too, that we have already produced what you want in the laboratory, but have not yet found a market for it.

Finally, there is a possibility that a new chemical to meet specific demands can be created in our research laboratories. Naturally, we are not always successful in creating new products to specifications, but sometimes we are.

We offer the chemical industry our Experiment Station facilities, wherever possible, to aid in the solution of problems involving the application of Hercules products.

CELLULOSE SPECIALISTS

It is a fixed policy of Hercules Powder Company to produce a wide range of cellulose products, thus making available to users all modifications of cellulosic esters and ethers which show possibilities of market development. It is not the intention of the company to concentrate on any one cellulosic material; rather, the objective is to make available a wide selection of cellulose materials so that each manufacturer can determine which ones best meet his requirements. Technical data are available to help manufacturers in evaluating each cellulosic material.

Can You Use Petrex* —A New Resin Base?

Based on several years of intensive research, Hercules Powder Company now presents a new polybasic acid for synthetic resin manufacture, the essential constituent of which is 3-Isopropyl-6-Methyl-3,6-Endoethylene Δ^4 Tetrahydro Phthalic Anhydride, offered under the trade name Petrex.

Petrex is substantially non-volatile, does not sublime on heating, and retains its pale yellow color in high temperature esterifications without use of inert atmosphere. It thus presents advantages in the processing of alkyd resins. Blended with phthalic anhydride, it will reduce the "horsefeather" formation so troublesome in phthalate resin manufacture.

It is suggested for lacquer-type resins, paper-coating resins, oxidizing resins, and adhesive bases. However, its unusual properties indicate possible use for many other purposes.

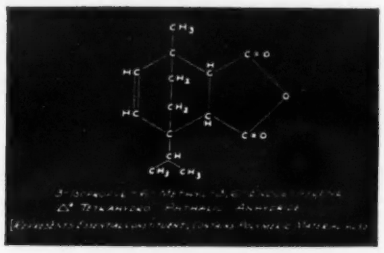
This new polybasic acid is a synthetic product of terpene origin. Many of its unusual properties are directly attributable to its terpene composition.

Alkyd resins of the oxidizing type made from Petrex show unusual solvent and oil solubility and drier compatibility. The accompanying formula shows the structure of the essential constituent of Petrex. There is also present polymeric material. The analogy to phthalic anhydride is readily seen, although the acidic part of the molecule is weighted down with the large hydrocarbon nucleus with its methyl and isopropyl group substituents. The effect of this weighting is reflected in the characteristics of alkyd resins produced from Petrex.

PETREX RESINS

The series of resins produced from Petrex described in a Petrex booklet (available on request) comprise general types of alkyds which have proved their merit for many uses. If one of the series does not meet your requirements, it may be possible to formulate a special Petrex resin for your needs.

PETREX



Structural formula for Petrex as used by Hercules chemists.

*Hercules Trade-Mark. Reg. U. S. Pat. Off.

Lacquers Made with Water!

HERCULES HERCULES

Papers, Textiles, and Other Porous Surfaces can be Coated Better with Nitrocellulose Emulsions.

At a recent meeting of industrial chemists, the statement was made that "obviously the cheapest solvent for protective coatings would be water, but, of course, it never will be used."

Our answer is that lacquers containing water are now being made. This type of finish, known as a lacquer emulsion, is not only cheaper, but on some surfaces it is superior to orthodox lacquers.

Essentially, lacquer emulsions are produced by first making an orthodox lacquer, usually a very heavy-bodied high-solids lacquer, and emulsifying it with water. With 50% of the volatile solvent replaced, the apparent economy is obvious because any solvent costs more than water.

● An important advantage offered by nitrocellulose lacquer emulsions is that a heavy coat can be applied with one spraying. This is possible because the lacquer, of practically any viscosity, is dispersed in tiny drops, and the spray gun has the relatively easy task of atomizing the water. Thus the usual viscosity restrictions of orthodox lacquers are eliminated by lacquer emulsions.

Possible applications of emulsions are numerous; but of particular importance is the coating of porous surfaces, such as paper or textiles. Wood, leather, fibreboard, and other surfaces suggest additional marketing possibilities.

Lacquer coating of porous surfaces should be of particular interest to chemists. Emulsions do not penetrate paper and textiles and thus eliminate preliminary sizing. With emulsions, the lacquer is applied directly, and a heavy coat can be deposited with no difficulty. Thus, porous surfaces can now receive the inherent advantages of pyroxylin finishes—grease-proofness, water-proofness, flexibility and decorative value—plus economy.

Nitrocellulose lacquer emulsions and the processes for making them are covered by patents and patents pending, owned or controlled by Hercules Powder Company. Applications for license from responsible manufacturers will be considered.

A photomicrograph of the cross section of a sheet of blotting paper coated with an emulsion of a high-viscosity lacquer solution taken at a magnification of 100. Black area is lacquer coating.

A photomicrograph of the cross section of a sheet of blotting paper coated with a low-viscosity lacquer solution, taken at a magnification of 100. Note absence of surface coating.

RECEIVED FEB 15 1937 LIBRARY THE CHEMISTS' CLUB

VINSOL* . . Versatile Resin

Excellent Electrical Characteristics — Useful for Varnishes, Lacquers, Molding Powders, Adhesives, and Other Purposes

Vinsol resin is an inexpensive, new material that has already demonstrated its value for numerous and varied purposes, and which offers excellent possibilities for many others. It is hard, high-melting, and dark-colored. The coloring matter it contains is fast to light, acids, and alkalies. There are many solvents and partial solvents for Vinsol, and it can be made compatible with oils in which it is not soluble in the cold by heating them together at varnish-making temperatures.

Average analysis of Vinsol resin:

Melting Point (Drop Method)	119.0°C.
Acid Number	92
Saponification Number	150
Unsaponifiable Matter	6.5%
Gasoline Soluble Matter	12.0%
Toluene Insoluble	24.0%
Color: (1% Solution in Butanol) (50 mm. depth)	
(Lovibond: 500 Amber)	80.0
(200 Red)	25.0

Some suggested uses:

Vinsol is suggested for the following uses: varnishes, lacquers, thermoplastic coatings, adhesives, asphalt emulsions, coal tar pitch (as a modifier), linoleum cement, heat-reactive and oil-soluble synthetic resins, diluent for molding powders.

Electrical uses:

High dielectric strength, low power factor, and excellent resistance to high-voltage currents give Vinsol wide applicability to insulating materials which must withstand petroleum oils and greases.

Tested between 1 in. disc electrodes spaced 0.1 in. apart, with 60-cycle alternating current, the potential increasing 1,000 volts a minute, break-down occurs above 20,000 volts at 85°C., and will run as high as 50,000 volts at lower temperatures.

Additional information is contained in a new booklet, available on request.

*Hercules Trade-Mark. Reg. U. S. Pat. Off.

Abalyn* As An Extender For Phenolic Resins

Abalyn, methyl abietate, is the methyl ester of abietic acid. It can be considered a liquid ester gum, but it has better alkali resistance, paler color, is more soluble, and is a better solvent. Abalyn is soluble in all of the common organic solvents and it is, itself, an excellent solvent for rubber and many of the natural and synthetic gums and waxes. These and other properties of Abalyn suggest its use in the formulation of adhesives, perfume fixatives, and in blending the more common lubrication oils.

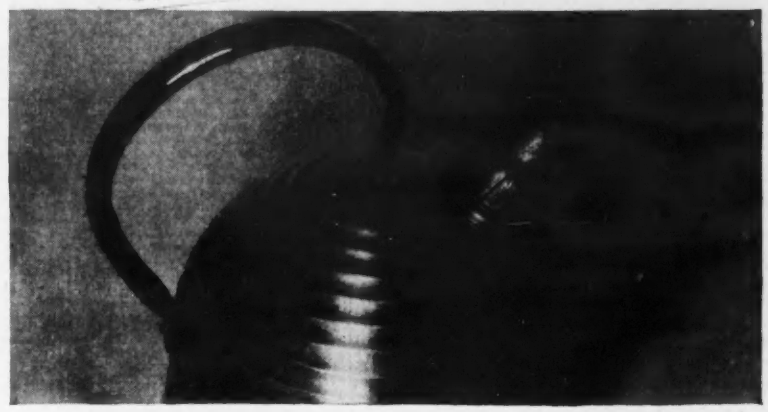
Pale-colored and flexible-extended phenolic resins are formed by the chemical combination of Abalyn with resin-reactive, oil-soluble phenolic resins. The Abalyn-phenolic resin is useful in the formulation of alkali-resistant varnishes of short oil length having toughness, high gloss, and durability.

By using an Abalyn-extended phenolic resin in a short oil length varnish, a tougher film can be obtained than when using ordinary brittle resins in the same length of oil. Hence these resins make it possible to reduce the oil length of the varnish required for a given application, thereby increasing alkali resistance. Abalyn-extended phenolic varnishes are successfully used as a primer for porous surfaces, such as plaster and cement.

*Hercules Trade-Mark. Reg. U. S. Pat. Off.

Just an ordinary teakettle? Not quite. This one, made of copper, looks as good as new after six months' daily use. Why? It is coated with a lacquer made from Hercose C* (cellulose acetobutyrate). Heat resistance is only one of the many good qualities of Hercose. Other advantages include light resistance, non-flammability, clear and non-tacky films, and great durability.

*Hercules Trade-Mark. Reg. U. S. Pat. Off.



PALE WOOD ROSIN

In Varnishes, Ester Gums, and Modified Synthetic Resins

As a result of numerous inquiries, preliminary research has been conducted which gives an average indication of the color, viscosity, ultra-violet light discoloration, alkali and water resistance, drying time, and durability of varnishes made with Pale Wood Rosin. This work includes numerous formulations which cover in general the various ways in which rosin is used in making varnish. A comparison is also made of some of the characteristics of the esters and modified resins used in the tests.

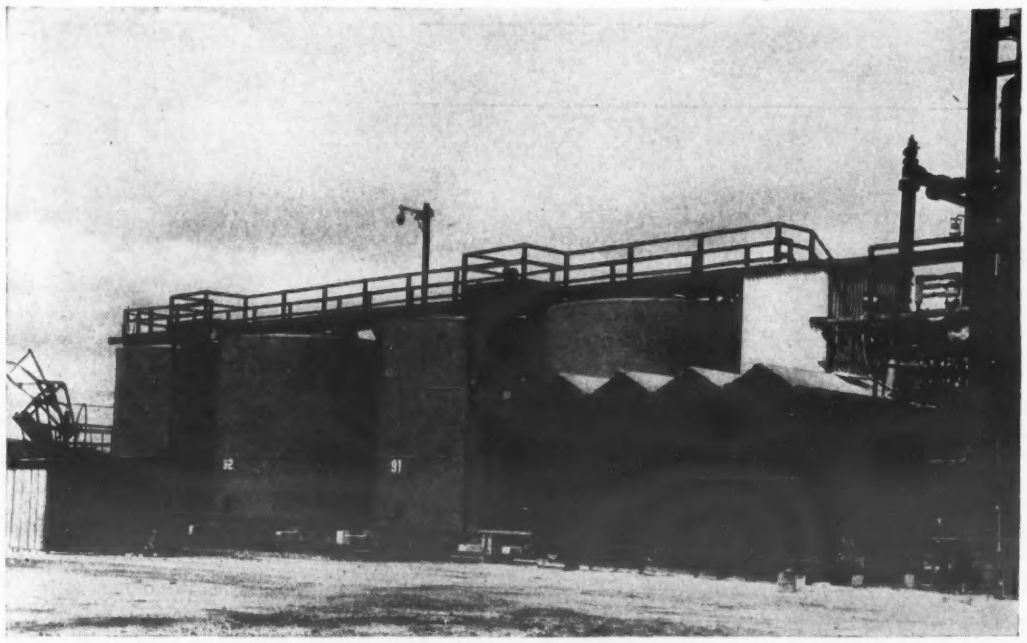
A study of the tables based on the results of the tests reveals the value of Pale Wood Rosin as a modifier for synthetics. The acid number and the color obtained are good, as are the durability and other characteristics of the finished products. These tables with explanatory text will be sent on request to those who are interested.

HERCULES HERCULES

1936 Was Largest Nitrocellulose Year

In 1936, the consumption of nitrocellulose and other cellulose derivatives for lacquers was greater than for any previous year.

It is interesting to note that this gain has been achieved in the face of the development of new raw materials and new types of protective coatings. Despite the introduction of these new materials, nitrocellulose and other cellulose derivatives occupy a unique position because their films are tough, durable, economical, and quick-drying, and have other inherent characteristics that make them practically indispensable in modern protective coatings.



Protection for Chemical Plants. No paints excel Tornesit (chlorinated rubber) coatings in resistance to acids, alkalies, and other corrosive forces. In our own chemical plants, where conditions are severe, Tornesit paints are used exclusively. Protective-coating manufacturers can take advantage of Tornesit's chemical resistance, quick-drying properties, and durability to "reënforce" paints and varnishes compatible with Tornesit.

Let these products work for you

The Hercules products described in this advertisement are comparatively new. All have commercial uses, and many have possibilities not yet exploited. Chemists may find answers to many processing problems in some of these raw materials. Further details are available: just use the coupon.

HERCULES POWDER COMPANY
INCORPORATED
905 King Street
Wilmington, Delaware

I should like to have more information about:

- ☐ Petrex
- ☐ Hercose C
- ☐ Vinsol
- ☐ Tornesit
- ☐ Abalyn
- ☐ Lacquer Emulsion
- ☐ Pale Wood Rosin
- ☐ Ethyl Cellulose
- ☐ Cellulose Acetate

My problem is:_____

Name_____

Address_____

Company_____

IN-50

Bromine—Casein

Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis..lb. .35 - —
Bromoform, USP, bots.....lb. 1.40 - 1.60
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .40 - .65
moulding, cns., dms., over 10 lbs..lb. .65 - .90
printing ink, cns., dms., over 10 lbs..lb. .70 - 1.10
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtop, bls.....lb. .11 - .12
Brown, iron oxide, pure precip., cks., f.o.b. N.Y. or works..lb. .12½- —
Metallic, bbls., works.....lb. .0215- —
paper bgs., c.l., works.....lb. .02 - —
Sienna, burnt, American, bbls., works..lb. .03 - —
Italian, 1, bbls., f.o.b. N. Y. or Pa. points.....lb. .12 - —
2, bbls., same basis.....lb. .11 - —
3, bbls., same basis.....lb. .10 - —
4, bbls., same basis.....lb. .08½- —
5, bbls., same basis.....lb. .08½- —
6, bbls., same basis.....lb. .08 - —
7, bbls., same basis.....lb. .07¾- —
8, bbls., same basis.....lb. .07½- —
9, bbls., same basis.....lb. .07 - —
10, bbls., same basis.....lb. .06¾- —
11, bbls., same basis.....lb. .06½- —
12, bbls., same basis.....lb. .06 - —
13, bbls., same basis.....lb. .05¾- —
14, bbls., same basis.....lb. .05¼- —
Brown, sienna, raw, American, bbls., works..lb. .02¾- —
Italian, 1, bbls., f.o.b. N.Y. or works.....lb. .12½- —
2, bbls., same basis.....lb. .10¾- —
3, bbls., same basis.....lb. .10¾- —
4, bbls., same basis.....lb. .09¼- —
5, bbls., same basis.....lb. .08¾- —
6, bbls., same basis.....lb. .08¼- —
7, bbls., same basis.....lb. .07½- —
8, bbls., same basis.....lb. .07 - —
9, bbls., same basis.....lb. .06½- —
10, bbls., same basis.....lb. .05¾- —
11, bbls., same basis.....lb. .04¾- —
Umber, American, bbls., works. lb. .02¾- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Pa., Easton, Pa., N.Y.....lb. .04 - —
St. Louis.....lb. .04¾- —
ex car Los Angeles...lb. .04½- —
ex dock Portland, San Francisco, Seattle.lb. .04¾- —
ex whse. Boston.....lb. .04½- —
Chicago, Indianapolis, New Orleans.....lb. .04¾- —
Kansas City.....lb. .05 - —
Los Angeles, Portland, San Francisco, Seattle lb. .04¾- —
Minneapolis .....lb. .0485- —
Pittsburgh .....lb. .04½- —
Vandyke, bbls., l.c.l.....lb. .05¾- —
Walnut crystals, bbls.....lb. .06 - —
Brucine, 100 oz., cns.....oz. .10 - —
Sulphate, 100 oz., cns.....oz. .07 - —
Bryonia root, bls.....lb. .10 - .11
Buchu leaves, bls.....lb. .75 - .80
Buckthorn bark, true, bls.....lb. .04 - .05
Berries, bgs.....lb. .19 - .20
Burdock root, bls.....lb. .09½- .10
Burgundy pitch, dom., bbls., c.l., works..lb. .03½- —
l.c.l., dlvd. E.....lb. .05 - —
import., stands.....lb. .11 - .12
Butanes, coml., 16-32°, tanks, group 3..gal. .02¼- .03¾
Butternut bark, bls.....lb. .06½- .07
Butyl acetate, norm., dms., c.l., contract, frt. alld..lb. .10 - —
l.c.l., contract, frt. alld.lb. .10½- —
tanks, contract, frt. alld.lb. .09 - —
secondary, dms., c.l., frt. pd. E. of Rocky mts..lb. .08 - —
l.c.l., same terms.....lb. .08½- —
tanks, same terms.....lb. .07 - —
Butyl alcohol (see Alcohol).
Aldehyde, dms., c.l., works..lb. .19 - —
l.c.l., works.....lb. .21 - —
Carbinol (see Carbinol).
Lactate, dms.....lb. .22½- .23½
Propionate, dms., dlvd.....lb. .18 - .18½
tanks, dlvd.....lb. .17 - —
Butyric, ether, bots.....gal. 6.95 - —
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —

C

Cadmium bromide, bots., jars.lb. 1.39 - 1.44
Iodide, bots.....lb. 3.77 - 3.82
jars .....lb. 3.65 - —
Lithopone (see Yellow).
Metals, cs.....lb. 1.05 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 100 lb. dms., 10,000 lbs. or more..lb. 2.05 - —
2,000 lbs., or more.....lb. 2.10 - —
1,000 lbs., or more.....lb. 2.15 - —
100 lbs.....lb. 2.25 - —
25 lb. dms, 10,000 lbs., or more. lb. 2.08 - —
2,000 lbs., or more.....lb. 2.10 - —
1,000 lbs., or more.....lb. 2.18 - —
100 lbs.....lb. 2.28 - —
25 lbs.....lb. 2.40 - —
Caffeine, 10-lb. cns., 10,000 lbs., or more..lb. 2.10 - —
2,000 lbs., or more.....lb. 2.15 - —
1,000 lbs., or more.....lb. 2.20 - —
100 lbs.....lb. 2.30 - —
less than 100 lbs.....lb. 2.45 - 2.60
5-lb. cns., 25 lbs., or more. lb. 2.40 - —
less than 25 lbs.....lb. 2.55 - 2.70
Citrated, cns.....lb. 1.70 - 1.75
Hydrobromide, bots.....lb. 4.82 - 4.87
Calabar beans, bgs.....lb. .15 - .16
Calamus root, bleached, cs....lb. .45 - .50
Calcium acetate, bgs., dlvd..... 100 lbs. 2.10 - —
Arsenate, dms., c.l., dealers, North and West..lb. .06¾ —
l.c.l., dealers.....lb. .07¼- —
Southern cotton states, dealers, dms., c.l..lb. .06½- —
l.c.l., dealers.....lb. .07 - —
Calcium arsenate prices are works or whse basis, frt. alld. to dest. in lots of 99 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Bromide, jar.....lb. .60 - .62
Carbide, dms.....lb. .05 - .06
Carbonate (see Chalk and Whiting)
Chloride, flake, dom., 77-80%, bgs., dms., c.l., dlvd. ton.22.00 -35.00
l.c.l., 1 ton or over, dlvd..100 lbs. 1.70 - 2.35
liquor, basis 40%, tanks, works ton. 7.50 - —
solid, dom., 73-75%, bgs., dms., c.l., dlvd..ton.20.00 -33.00
l.c.l., 1 ton or over, dlvd..100 lbs. 1.60 - 2.25
Gluconate, pharm. gran., powd., bbls., 125 lbs..lb. .50 - —
dms., ...lb. .55 - .57
cns. .....lb. .68 - .85
Glycerophosphate, fib., dms..lb. 1.05 - —
cns., 25 lbs.....lb. 1.30 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 3.70 - 3.85
Lactate, USP, bbls., 200 lbs.lb. .25 - —
Nitrate, bgs., to fert. mfrs., ex-vessel..ton.26.10 - —
Palmitate, bbls.....lb. .22 - .28
Phosphate, dibasic, precip., 38-42% P_2O_5 c.l.f. Atlantic ports..unit-ton. .72 Nom.
tribasic, precip., c.l., bbls., works..lb. .06½- —
l.c.l., bbls.....lb. .07½- —
Resinate, precip., bbls., 1 ton. lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l., 1 ton.....lb. .20 - —
smaller lots.....lb. .21 - —
Sulphate (see Gypsum)
Sulphide, 75%, CaS (minus 100 mesh), c.l., works..ton.52.00 - —
l.c.l. works.....ton.56.00 - —
83/85 CaC c.l., works...ton.58.00 - —
l.c.l., works.....ton.64.00 - —
luminous, dom., tins, works. 100 lbs..lb. .85 - —
smaller lots.....lb. 1.00 - —
Sulphocarbolate, bbls.,200 lbs.lb. .48 - —
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .45 - .50
Calomel, bbls., fib., dms.....lb. 1.40 - 1.41
Camphor, natural, powd., cs..lb. .55 - .56
slabs, cs.....lb. .55 - .56
tablets, tins.....lb. .60 - .61
synthetic, dom., imp., gran., powd., bbls., 2,000 lbs. .....lb. .50 - —
500 lbs.....lb. .51 - —
100 lbs.....lb. .52 - —
tablets, imp.,cs., 2,000 lbs.lb. .54 - —
500 lbs.....lb. .55 - —
100 lbs.....lb. .56 - —
Monobromate, bxs., kgs.....lb. 1.60 - 1.65
Canada balsam (see Fir balsam)
Canary seed, Argentine, bgs..lb. .06¼- .06¾
Morocco, bgs.....lb. .06¼- .06¾
Turkish, bgs.....lb. .06 - .06½
Canella alba bark, bls.....lb. .37 - .38
Cannabis herb, bls.....lb. .18 - .20
Cantharides, Chinese, cs.....lb. .60 - .65
powd., bxs.....lb. .85 - .90
Russian, cs.....lb. 1.35 - 1.40
powd., bxs.....lb. 1.70 - 1.75
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs.....lb. .07¾- .08¼
Carbazole, 70-80%, dms., works.lb. .90 - —
90%, dms., works..... .89 - —
95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works.. lb. .85 - —
98.5-99%, dms., ton lots, works. lb. .75 - —
smaller quantities, works.. lb. .85 - —
Carbinol, butyl, norm., dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
secondary, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl, 128-132°, dms., c.l., works..lb. .33 - —
l.c.l., works.....lb. .34 - —
tanks, works.....lb. .32 - —
Methylpropyl, dms., works...lb. .60 - —
small lots, works.....lb. .75 - —
Dimethylethyl, dms., works.lb. .60 - —
small lots, works.....lb. .75 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5 gal. dms., c.l., same basis. lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .04½- —
Dioxide, cyls. .....lb. .06 - .08
Tetrachloride, 55-gal. or 110-gal., dms., c.l. (20 tons), frt. alld. E. of Miss. R., N. of Ohio R.....lb. .05¼- —
l.c.l., same basis.....lb. .05¾- —
10-gal. dms., c.l., (20 tons), same basis..lb. .07 - —
l.c.l., same basis.....lb. .08 - —
5-gal. dms., c.l. (20 tons), same basis..lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .05 - —
Fire extinguisher liquid, 2c. lb. higher.
Cardamom, bleached, cs.....lb. 1.60 - 1.80
decorticated, cs.....lb. 1.65 - 1.70
green, bgs.....lb. 1.15 - 1.25
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk...lb. .12 - .13
Case-hardening mixture, 45%, gran., dms., l.c.l.....lb. .11¾- —
lump, dms., l.c.l.....lb. .10¾- —
60%, lump, dms., l.c.l.....lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .19 - —
5 tons, works.....lb. .19¼- —
smaller lots, works.....lb. .20¼- —
80-100 mesh, bgs., c.l., dlvd.. lb. .19½- —
5 tons, works.....lb. .19¾- —
smaller lots, works....lb. .20¾- —
import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .19 - —
80-100 mesh, bgs., c.l., duty pd..lb. .19½- —
French, 30 mesh, bgs., c.l., duty pd..lb. No prices.

"The Spirit of the Nation"

SNORRI

REGARDLESS of schoolbooks which give the impression that Columbus sailed in 1492 toward the totally unknown, Europe had considerable knowledge about America hundreds of years before Columbus—and Columbus, of course, never got to America but only to some outlying islands.

To begin with, Iceland—where the coldest winters, by the way, are never colder than in New York State—was discovered first by Irish, before 850, and later by Norwegians. Having found Iceland, it was then inevitable that Europeans would go to Greenland and finally to the American continent. Greenland can be seen, when the weather is right, from mountains in Iceland, and it stands to reason that man, with enough enterprise to cross a wide and stormy ocean to reach Iceland, would surely go a little farther to another coast within sight.

That was just what happened and Greenland was settled soon after Iceland. It became a republic as early as 990 and, even before that, had commercial dealings with Europe. Falconry was then a sport of kings and the most prized birds were white falcons imported from Greenland.

In sailing to Greenland, a voyager would bear south to avoid the ice packs off Greenland's eastern shore. Ships of those days had difficulty in tacking against a strong wind, and a gale blowing toward the west could have carried a ship to Baffin Island or Labrador. This probably happened many times. The Greenlanders referred to the continent as Vineland.

Lief, son of Eric the Red, went from Iceland to Norway on a visit in 999 and the Norwegian king persuaded him to go to Greenland as a Christian missionary. He tried to sail to Greenland direct, but is believed to have landed first on the American continent before he finally made his way to Greenland.

About 1003, an Icelandic chieftain, Thorfinnur Karlsefni, headed an expedition westward. They landed, probably in Labrador, possibly as far south as New England, and stayed three years. Karlsefni's Greenlandic wife bore the first strictly American child of European parentage, a boy named Snorri.

It's too bad the Karlsefni family didn't stay in America. Snorri might have grown up with the country and helped to create the spirit of the nation.

♦♦♦♦Science and industry today look to the name of Rossville—"the Spirit of the Nation"—for the finest alcohols the world has ever produced. Write for complete details about the type of Rossville Alcohol best suited for your particular purpose.

COMMERCIAL SOLVENTS CORPORATION
TERRE HAUTE, INDIANA
DISTILLERS OF
FINE ROSSVILLE ALCOHOLS • "THE SPIRIT OF THE NATION"
BRANCH OFFICES AND WAREHOUSES IN ALL PRINCIPAL CITIES

The 12th Annual Banquet of the Drug, Chemical and Allied Trades Section of the New York Board of Trade will be held March 4th at the Waldorf-Astoria Hotel

Cassia, Batavia, 1, bgs.....lb. .12¾- .13¾
3, bls.....lb. .07½- .08
short stick, bls.....lb. .11½- .12
China, rolls, select, cs.....lb. .05¼- .05¾
broken, extra bls.....lb. .04 - .04½
Saigon, bls.....lb. .15½- .16
Cassia buds, cs.....lb. .14½- .15
Cassia fistula, bskts.....lb. .09 - .10
Castile soap, white, bars, cs., 40 lbs.11.75 -12.50
powd., bbls.....lb. .28 - .35
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor oil (see Oil, castor).
Pomace, dom., 5½% ammon., bgs., c.l., works.....ton.23.00 -24.00
import, bgs., c.i.f., ports, shipment..ton. No prices.
Catnep leaves, bls.....lb. .18 - .19
Celery seed, French, bgs.....lb. .20 - .20½
Indian, bgs.....lb. .17 - .17½
Celluloid scrap, amber, cs.....lb. .12 - .13
black, cs., works.....lb. .08 - .09
China white, ivory, cs., works, lb. .12 - .13
dense white, cs., works....lb. .11 - .12
grey, cs., works.....lb. .09 - .10
mixed, mottles, opaques, cs., works..lb. .05 - —
shell-demi, cs., works.....lb. .09 - .10
translucent pastels, cs., works, lb. .13 - .14
transparent, cs., works.....lb. .12 - .13
colors, cs., works.....lb. .08 - .09
shavings, amber, cs., works..lb. .13 - —
colored, mixed, cs., works..lb. .09 - —
white, cs., works.....lb. .12 - —
Cellulose acetate, flake, cs., works..lb. .40 - —
Acetobutyrate, 501 lbs. and over, works..lb. .52 - —
101 lbs., works.....lb. .58 - —
smaller lots, works.....lb. .55 - —
Cement, white, bbls., (4 bags), 3 tons, dlvd. N.Y...bbl. 6.10 - —
less than 3 tons, truck dlvy. bbl. 8.00 - —
Cerium hydrate, dms., works..lb. .65 - —
Oxalate, USP, bbls., works..lb. .28 - —
kgs., works.....lb. .30 - —
Chalk precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b., works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b., works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .20 - .21
Roman, bls.....lb. .26 - .28
Charcoal, softwood, powd., bgs., c.l., dlvd. Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.30.40 - —
Colo. .....ton.27.00 - —
Conn., Me., Mass., N. H., R. I., Vt....ton.30.80 - —
Ill., (except river points), Minn., Neb., Wis. .....ton.25.00 - —
Indiana .....ton.26.00 - —
Ill. (river points), Ia., Mo., Okla., Tex. (except El Paso).....ton.23.00 - —
Kansas, El Paso, Tex. .....ton.24.00 - —
Michigan .....ton.27.80 - —
Ohio, Penn.....ton.29.80 - —
Utah .....ton.34.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls..lb. .01625- —
tanks .....lb. .02 - —
powd., bgs., works.....lb. .04½- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton. 9.50 -15.50
bulk, c.l., works..ton. 6.50 - —
99.75% 200 mesh, bgs., c.l., works..ton. 8.00 - —
l.c.l., works.....ton. 9.00 -15.00
wet-grd., silk-bolt, 99.9% 325 mesh, bulk, c.l., works, ton. 8.50 - —
paper bgs., c.l., works, ton.11.00 - —
import., white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..ton.22.00 -25.00
powd., csks., l.c.l., ex dock, ton.35.00 - —
ex whse.....ton.37.50 - —
Chloral hydrate, bots., 1,000 lbs., lb. .83 - .92
500 lbs.....lb. .86 - .95
100 lbs.....lb. .88 - .97
25 lbs.....lb. .90 - .99
1-10 lbs.....lb. .95 - 1.02
dms., 1,000 lbs.....lb. .80 - —
500 lbs.....lb. .83 - —
100 lbs.....lb. .85 - —
Chlorine, liq., cyls., c.l., dlvd., N.Y..lb. .05½- —
contracts, dlvd., N.Y...lb. .05½- —
l.c.l., dlvd., N.Y.....lb. .07½- —
tanks, single unit, works, frt. equald..100 lbs. 2.15 - —
multiple unit, 3 or over, wks., frt. equald.100 lbs. 2.30 - —
2, works, frt. equald... 100 lbs. 2.55 - —
1, works, frt. equald.. 100 lbs. 3.00 - —
Chloroacetophenone, tins, works..lb. 3.00 - 3.50
Chloroform, tech., 650-lbs. drums, lb. .20 - —
100-lbs. dms.....lb. .22 - —
50-lb. dms.....lb. .25 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, coml., 185-lb. cyls., works, frt. equald..lb. .80 - —
5-lb. cyls., same basis....lb. 1.15 - —
Chrome acetate, bbls.....lb. .05 - .08
Cake, bulk, c.l., works....ton.11.00 -12.00
Green (see Green, chrome)
Chrome, oxide (see Green, chrome oxide)
sulphate, pearls, bxs., cns., fib. dms..lb. .40 - .45
powd., bxs., cns., fib. dms.lb. .40 - .45
scales, bxs., cns., fib. dms.lb. .45 - .50
Trioxide (see Acid, chromic)
Yellow (see Yellow, chrome)
Chrysarobin, cns.....lb. 3.25 - 3.50
Cinchona bark, chips, bgs.....lb. .20 - .22
high test, bgs.....lb. .45 - .50
quills, broken, bgs.....lb. .20 - .22
long, cs.....lb. .55 - .60
short, bgs.....lb. .50 - .55
Ecuador, tubes.....lb. .18 - .20
Cinchonidine, crys., small cns., 100 ozs..oz. .83 - —
large, cns.....100 ozs..oz. .87 - —
powd., cns.....100 ozs..oz. .80 - —
Sulphate, N.F., cns..100 ozs.oz. .47 - —
Cinchonine, crys., small, cns., 100 ozs..oz. .54 - —
large, cns.....100 ozs..oz. .58 - —
powd., cns.....100 ozs..oz. .50 - —
Sulphate, N.F., cns..100 ozs.oz. .34 - —
Cinchophen, USP., boxes, 5 lbs. lb. 3.75 - —
bots 1 lb.....lb. 3.27 - —
dms., 100 lbs.....lb. 3.00 - —

Cinnamic alcohol (see Alcohol, cinnamic)
Aldehyde, f.f.c., bots.....lb. 1.55 - 2.00
Cinnamon, Ceylon, 2, bls.....lb. .18½- Nom.
3, bls.....lb. .18 - .18½
Citral, cns.....lb. 1.75 - 3.15
Citrine ointment, jars, tubes..lb. .75 - —
Citronellal, bots.....lb. 1.00 - 1.25
Citronellol bots.....lb. 1.80 - 2.00
Clove, Madagascar, bls.....lb. .17½- .17½
Zanzibar, bls.....lb. .17½- .17¾
Clover tops, bls.....lb. .12 - .13
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.25 - —
l.c.l., works.....bbl. 8.00 - —
tanks, works.....gal. .07 - .09
refd., bbls., c.l., works...bbl. 7.75 - —
l.c.l., works.....bbl. 8.50 - —
tanks, works.....gal. .08 - .10
dms., c.l., works.....dm. 6.75 - —
l.c.l., works.....dm. 7.50 - —
tanks, works.....gal. .07 - .08
refd., dms., c.l., works..dm. 7.25 - —
l.c.l., works.....dm. 8.00 - —
tanks, works.....gal. .08 - .09
Cobalt acetate, bbls., dlvd.....lb. .58 - .60
kgs., dlvd.....lb. .65 - —
Carbonate, tech., bbls., dlvd.lb. 1.50 - —
Chloride, dms., works.....lb. .67¾- .72¾
Hydrate, bbls.....lb. 1.60 - —
Linoleate, paste, 6%, dms...lb. .29 - —
solid, 8½%, bbls.....lb. .31 - —
Oleate, bbls.....lb. .26 - —
Oxide, black, kgs.....lb. 1.41 - 1.51
Resinate, fused, A, bbls.....lb. .13 Nom.
1%, bbls.....lb. .12½ Nom.
2%, bbls.....lb. .13½- —
3½%, bbls.....lb. .16½- —
precip., dms., dlvd.....lb. .31½- —
Sulphate, dms.....lb. .51 - .58
Cocaine hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .32 - .36
Teneriffe, silver, bgs.....lb. .33 - .37
Cocillana bark, bgs.....lb. .20 - .21
Cocoa butter, lumps, bgs., c.l..lb. .26 - —
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs..oz.10.50 - —
Phosphate, cns., 100 ozs....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver)
Cohosh, black, root, bls.....lb. .07½- .08
Blue, root, bls.....lb. .06½- .07
Colchicine, bots., 4 ozs.....oz.25.00 - —
single ozs.....oz.26.00 - —
Colchicum seed, bgs.....lb. .23 - .25
Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs.....lb. .16 - —
Flexible, USP, dms., 325 lbs..lb. .14½- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .70 - .75
Colombo root, bls.....lb. .35 - .36
Coltsfoot leaves, bgs.....lb. .08 - .09
Condurango bark, bgs.....lb. .08 - .09
Conium leaves, bls.....lb. .18 - .19
Copaiba balsam, Para, cns....lb. .37 - .38
S.A., USP, cns.....lb. .39 - .40
Copper acetate, normal, bbls., c.l., works..lb. .23 - —
l.c.l., bbls.....lb. .25 - —
Carbonate, 52-59%, bbls .....lb. .16¾- .17¾
18-20%, bbls.....lb. .11½- .12½
Chloride, bbls.....lb. .17 - .18
Cyanide, tech., bbls.....lb. .37 - —
Iodide, bots.....lb. 4.97 - 5.02
Metal, electrolytic.....lb. .13 - —
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, bbls., tons, works, lb. .17½- —
smaller lots, works....lb. .18 - —
Red, com'l, 50-75%, kgs., c.l., f.o.b. N. Y..lb. .17 - —
l.c.l., f.o.b. N.Y.....lb. .17¼- —
Resinate, precip., bbls.....lb. .18 - .19
Stearate, precip., bbls.....lb. .35 - .40
Sulphate (see Blue vitriol)
Copperas, cryst., gran., bgs., c.l., works..ton.14.00 -15.00
bbls., c.l., works.....ton.16.00 -17.00
l.c.l., 25 or over, works.... 100 lbs. 1.35 - —
5-24, works.....100 lbs. 1.50 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.12.00 -13.00
Copra, bgs., Pacific Coast.....lb. 4.85 Nom.
Coriander seed, Morocco, bgs...lb. .05½- .05¾
bleached, bgs.....lb. .07 - .07½
Russian, bgs., lbs.....lb. No stocks.
Corn sugar, tanners, bbls., dlvd. 100 lbs. 3.84 - —
ex whse.....100 lbs. 3.74 - —
Syrup, 42°, bbls.....100 lbs. 3.76 - —
43°, bbls.....100 lbs. 3.86 - —
Cornsilk, bls.....lb. .07½- .08
Corrosive sublimate, cryst., bxs., lb. 1.28 - 1.33
dms., 25 lbs.....lb. 1.20 - —
gran., powd., bxs.....lb. 1.13 - 1.18
dms., 25 lbs.....lb. 1.05 - —
Cottonroot bark, bls.....lb. .12 - .13
Cottonseed hull ash, 25-30% pot-ash bulk, dlvd..unit-ton. 1.00 - —
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 3.00 - —
5-lb. cns.....lb. 3.10 - —
1-lb. cns.....lb. 3.25 - —
1-oz. cns.....lb. 3.60 - —
less than 5 lbs., cns.....lb. 4.15 - 4.65
Cramp bark, genuine, bls.....lb. .21 - .22
so-called, bls.....lb. .07 - .08
Cranesbill root, bls.....lb. .16 - .20
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .15 - —
kgs.....lb. .15½- —
smaller lots, bbls.....lb. .15½- —
kgs.....lb. .16 - —
Creosote, wood, beech., bots..lb. .70 - .75
pine, dms.....gal. .28 - —
USP, bots.....lb. .45 - .47
Carbonate, bots., cbys.....lb. 1.40 - 1.75
Oil, crude, tanks, works..gal. .13 - .13½
Coaltar solution, tanks, works gal. .113 - .125
refd., bbls., c.l., works..gal. .22½- —
l.c.l., works.....gal. .25 - —
tanks, works.....gal. .18 - .18½
Cresol, USP, dms., c.l., works.lb. .10 - —
l.c.l., same basis.....lb. .10½- —
Crotonaldehyde, tech., dms., c.l., works..lb. .26 - —
l.c.l., works.....lb. .30 - —
Cube root, powd., 5% rotenone, bbls., 30,000 lbs., frt. equaled., with Newark, Balto., and West Coast. lb. .27 - —
10,000 lbs. and over, same basis..lb. .28 - —
2,000 lbs. and over, same basis..lb. .29 - —
1,000 lbs. and over, same basis..lb. .31 - —
200 lbs. and over, same basis..lb. .33 - —
4% rotenone prices, 5c. per lb., less.
coarse grd., 4% & 5% rotenone, prices 1c. less than powd.
3% rotenone, 6c. less than powd.
Cubeb berries, XX, bgs.....lb. .34 - .35
powd., cs.....lb. .38 - .39
Culver's root, bls.....lb. .16 - .17
Cumin seed, Algerian, bgs....lb. .07¾- .08½
Indian, bgs.....lb. .08¼- .08¾
Morocco, bgs.....lb. .08 - .08½
Cutch, Philippine, bls., c.l....lb. .04 - —

Cyanamide, 21-22% N., dom., pulv., bgs., f.o.b. Gulf ports, dlvd. interior, NH_3 unit. 1.12½- —
Atlantic ports.NH_3 unit. 1.07½- —
Cyanide-chloride mixture, 75%, gran., dms..lb. .16 - .17
lump, dms.....lb. .14 - .15

D

Damiana leaves, bls.....lb. .14 - .16
Dandelion root, German, bls..lb. .23 - .25
Deertongue leaves, bls.....lb. .11 - .12
Degras, common, dom., bbls...lb. .07¾- .08
English, bbls. .....lb. .07¾- .08
neutral, dom., bbls.....lb. .11½- .13
English, bbls. .....lb. .11½- .13
Derris root, powd., 5% rotenone, bbls., 30,000 lbs., 1 shipment, f. o. b. N. Y. C., or Balto., frt. prepaid to West Coast ports..lb. .39 - —
30,000 lbs., contract or orders, basis..lb. .39½- —
10,000 lbs., same basis.lb. .40 - —
2,000 lbs., same basis.lb. .41 - —
1 bbl., same basis....lb. .44 - —
less than 200 lbs., same basis..lb. .47 - —
import contracts, 30,000 lbs..lb. .21½- —
10,000 lbs. .....lb. .22 - —
4% rotenone prices 6c. per lb. less.
Dextrin, British gum, bgs., c.l., f.o.b. Chicago..100 lbs. 4.60 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.80 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 4.35 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.55 - —
white, bgs., c.l., f.o.b. Chicago 100 lbs. 4.30 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.50 - —
Potato, import., bgs.....lb. .07¾- .08¾
Tapioca, bgs., ex whse.....lb. .08 - —
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works .....lb. .092 - —
tanks, works .....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .30 - —
Phthalate, dms., c.l., dlvd..lb. .19½- —
l.c.l., dlvd.....lb. .20 - —
tanks, dlvd.....lb. .18¼- —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
Diamylamine, dms., l.c.l. works lb. .75 - —
Diamylene, dms., c.l., works.lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works .....lb. .085 - —
Dianisidin, bbls. .....lb. 2.25 - 2.45
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton.22.00 -95.00
l.c.l. ex whse ..ton.45.00 -150.00
import., bgs., c.l., f.o.b. N.Y. ton.40.00 - —
Dibutyl phthalate, dms.....lb. .20 - —
Tartrate, dom., dms.....lb. .35 - .40
import., dms. .....lb. .80 - .85
Dicalcium phosphate (see Calcium phosphate, dibasic)
Dichloroethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works .....lb. .16 - —
tanks, works .....lb. .14 - —
Diethanolamine, dms. .....lb. .31 - .35
Diethyl carbonate, coml., dms.lb. .31¾- —
refd., 99%, dms.....lb. .50 - —
Carbinol (see Carbino)
Phthalate, dms., c.l.....lb. .18 - —
l.c.l. .....lb. .18½- —
tanks .....lb. .17 - —
Diethylaniliin, dms.....lb. .50 - —
Diethylene oxide, dms., c.l., works lb. .20 - —
l.c.l., works .....lb. .21 - .24
tanks, works .....lb. .19 - —
Diethyleneglycol, dms., c.l., works lb. .19 - —
l.c.l., works .....lb. .20 - .21
Monobutylether, dms., works.lb. .28 - .37
Monoethylether, dms., c.l., works..lb. .16 - —
l.c.l., works .....lb. .17 - —
tanks, works .....lb. .15 - —
Diethyl sulphate, dms., c.l., works..lb. .13 - —
l.c.l., dms., works.....lb. .14 - —
tanks .....lb. .12 - —
Digitalis leaves, dms.....lb. .26 - .30
Diglycol oleate, light, bbls....lb. .24 - —
Dillseed, recleaned, bgs.....lb. .06¾- .07¼
Dimethyl phthalate, dms.....lb. .20½- .21
Dimethylaniliin, dms.....lb. .26 - .27
Dimethylethyl carbinol (see Carbinol)
Dinitrobenzene, bbls.....lb. .16 - .18
Dinitrochlorobenzene, bbls.....lb. .16½- .17¼
Dinitronaphthalene, kgs. .....lb. .35 - .38
Dinitrophenol, bbls. .....lb. .23 - .24
Dinitrotoluene, dms, ...lb. .14½- .15½
oily, dms.....lb. .09 - —
Diorthotoluoiguanidin, dms., 2,000 lbs. or over, dlvd.....lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dip oil (see Tar acid oil)
Dipentene, dms. .....gal. .47 - .50
tanks .....gal. .41 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works .....lb. .20 - .25
Diphenyl, oxide, bots.....lb. .70 - 1.00
Diphenylamine, bbls. .....lb. .31 - .32
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Diphenylmethane, bots. .....lb. 1.40 - 2.00
Disodium phosphate (see Soda phosphate, dibasic)
Divi-divi, bgs., shipment....ton.34.00 Nom.
Doggrass root, cut, bls.....lb. .13 - .14
Dogwood bark, dom., bls.....lb. .07 - .08
Jamaica, bls. .....lb. .06½- .07
Dover's powder, USP, cns....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .85
reeds, thin, cs.....lb. .90 - 1.00
Duboisine sulphate, vis.....oz.34.50 -35.00
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G.....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet .....lb. .80 - 1.00
165 Lake red C.....lb. 1.15 - 1.25
176 Fast red A.....lb. .60 - .75
180 Fast red VR.....lb. 1.50 - 1.65
189 Lake red R, paste.....lb. .85 - .90
189 Lake red R, powdered..lb. 3.00 - 3.10
202 Chrome blue black U..lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
290 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B...lb. .80 - .85
326 Direct fast scarlet.....lb. 2.00 - 2.25
364 Paper yellow .....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.30

Cassia—Dyes, Natural

382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN..lb. .50 - .75
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .95
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B....lb. .40 - .43½
495 Benzo purpurin 10B...lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B...lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF..lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO.....lb. .33 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet .....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .55
814 Direct fast yellow.....lb. 2.00 - 2.25
845 Nigrosin (water soluble).lb. .35 - .50
1177 Indigo, 20 p.c., paste...lb. .15 - .18
Benzo fast black L....lb. .90 - 1.00
Sulphur black .....lb. .20 - .25
Sulphur blue .....lb. .40 - 1.00
Sulphur brown .....lb. .25 - .50
Sulphur maroon .....lb. .40 - —
Sulphur olive .....lb. .25 - .54
Sulphur tan .....lb. .30 - .50
Sulphur yellow .....lb. .30 - .50
Zambesi black .....lb. .75 - .95

Oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse)
Black:—
865 Nigrosin derivatives.lb. .42 - —
Blue:—
1075 Alizarin azrol base.lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
729 Victoria blue.....lb. .75 - —
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
.... Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .70 - —
.... Orange, red shade..lb. .75 - —
Red:—
23 Sudan II.....lb. 1.05 - —
268 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink) lb. 2.50 - —
1080 Anthroquinone violet base..lb. 6.00 - —
680 Oil violet .....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB.....lb. 1.40 - —

Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
864 Nigrosin .....lb. .40 - —
Blue:—
729 Victoria blue .....lb. 2.55 - —
860 Indulin .....lb. .70 - —
Brown:—
231 Bismarck brown ....lb. 1.50 - —
Green:—
627 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base. lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —

Dyes, coaltar, for stains (numbers are those of Colour Index scale):—
Yellow:—
17 Amidoazotoluene yellow—lb. .75 - —
655 Auramine .....lb. 2.00 - —
500 Chinolin yellow SS..lb. 3.00 - —
Violet:—
680 Methyl violet.....lb. 1.30 - —

Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S. lb. .50 - —
865 Nigrosin .....lb. .36 - —
873 Methylene gray .....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.60 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
900 New blue R.....lb. 1.30 - —
9223 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y...lb. .85 - —
235 Resorcin dark brown R. lb. .90 - —
281 Bismarck brown G..lb. .32 - —
332 Bismarck brown R..lb. .37 - —
798 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B...lb. 1.00 - —
667 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B..lb. 1.55 - —
1078 Alizarin cyanin green. lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
Red:—
31 Amidonaphthol red G. lb. .42 - —
57 Amidonaphthol red 6B. lb. .68 - —
79 Ponceau R.....lb. .42 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .53 - —
183 Crocein scarlet 3BX.lb. .60 - —
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M.lb. .68 - —
677 Fuchsin .....lb. 1.90 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet:—
680 Methyl violet B.....lb. .82 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow:—
10 Naphthol yellow S..lb. .32 - —
138 Metanil yellow.....lb. .52 - —
636 Fast light yellow....lb. 1.25 - —
639 Xylene light yellow.lb. 1.15 - —
640 Tartrazin .....lb. .90 - —
655 Auramine .....lb. 1.27 - —

Dyes, natural (see name of article).

Echinacea—Ginseng

E

Echinacea root, bls.	lb.	.21	- .22
Eggs albumen (see Albumen)			
Yolk, dom., cs.	lb.	.48	Nom.
import, cs.	lb.	.53	- .56
Elder flowers, bright, bls.	lb.	.19	- .20
dark, bls.	lb.	.18	- .19
Elecampane root, bls	lb.	.09	- .10
Elm bark, grinding, bls.	lb.	.12	- .13
powd., bbls., bxs.	lb.	.18	- .20
select, bndls., cs.	lb.	.35	- .36
Emetine hydrochloride, bots.,	oz.	15.00	-16.00
Ephedra, bls.	lb.	.06	- .07
Ephedrine, tins, 100 ozs.	oz.	1.60	-
Hydrochloride, tins, 100 ozs.	oz.	1.60	- -
Sulphate, cryst., tins, 100 ozs.	oz.	1.00	- —
powd., tins, 100 ozs.	oz.	1.05	- —
Epsom salt, tech., bgs.	100 lbs.	1.70	- —
bbls.	100 lbs.	1.80	- —
USP, cryst., dom., bgs., c.l	100 lbs.	1.90	- —
l.c.l., 5,000 lbs., 1 withdrawal.	lb.	2.15	- —
smaller lots.	lb.	2.40	- —
bbls., c.l.	lb.	2.00	- —
l.c.l., 5,000 lbs, 1 withdrawal.	lb.	2.25	- —
smaller lots.	lb.	2.50	- —
kgs., c.l.	lb.	2.25	- —
l.c.l., 5,000 lbs., 1 withdrawal.	lb.	2.50	- —
smaller lots.	lb.	2.75	- —
import, bgs.	100 lbs.	2.00	- —
dried, dom., bgs., l.c.l.	lb.	.06	- .08
Ergot, USP, cs., dms.	lb.	1.85	- 2.00
Eserine, bots.	oz.	42.00	- —
Salicylate, bots.	oz.	29.00	-30.00
Sulphate, bots.	oz.	30.00	- —
Ether, acetic, dms.	lb	.10	- .1
Ethyl (see Ether, sulphuric)			
Nitrous, conc., bots.	lb.	.75	- .77
Sulphuric, conc., dms.	lb.	.09	- —
synth., dms., c.l., works	lb.	.08	- —
l.c.l., works	lb	.09	- —
USP anesthesia, dms.	lb.	28	- —
USP, 1880, dms.	lb.	.39	- .40
washed, dms.	lb.	.37	- .38
Ethyl acetate, dms., c.l., frt. alld.	lb.	.07½	-
l.c.l., frt. alld.	lb.	.08	- —
tanks, frt. alld.	lb.	.06½	- —
anhyd., dms., c.l., frt. alld.	lb.	.08½	- —
l.c.l., frt. alld.	lb.	.09	- —
tanks, frt. alld.	lb.	.07½	- —
Acetoacetate, dms., c.l., works.	lb.	.27½	- —
l.c.l., dms., works	lb.	28	- —
Bromide, tech., dms.	lb.	.50	- .55
Caproate, cns.	lb.	1.00	- —
Chloride, dms.	lb.	.22	- .24
Cinnamate, bots.	lb.	3.40	- 4.25
Crotonate, dms., works	lb.	1.00	- 1.20
Formate, dms.	lb.	.27	- .28
Iodide, bots.	lb.	5.55	- 5.70
Lactate, 55-gal. dms., works.	lb.	.33	- —
5-gal. dms., works.	lb.	.36	- —
Oxalate, dms.	lb.	.30	- .34
Silicate, l.c.l., dms., works.	lb.	.77	- —
Ethylbenzylaniline, dms.	lb.	.86	- —
Ethylcellulose, 501 lbs. and over, works.	lb.	1.00	- —
101 lbs., works.	lb.	1.05	- —
smaller lots, works.	lb.	1.15	- —
Ethylene bromide, dms.	lb.	.65	- .70
Dichloride, dms., c.l., works, E. of Rockies, frt. alld.	lb.	.0545-	—
West of Rockies, same basis	lb.	.0595-	—
l.c.l., dms., works, E. of Rockies, frt. alld.	lb.	.0644-	—
West of Rockies, same basis	lb.	.0694-	—
Ethyleneglycol, dms., c.l.	lb.	.17	- —
l.c.l.	lb.	.18	- .21
tanks	lb.	.16	- —
Monobutylether, dms., c.l., works	lb.	.20	- —
l.c.l., works	lb.	.21	- .24
tanks, works	lb.	.19	- —
Monoethylether, dms., c.l., works	lb.	.16	—
l.c.l., works	lb.	.17	- —
tanks, works	lb.	.15	- —
Monoethylether acetate, dms., c.l., works.	lb.	.14	- —
l.c.l., works	lb.	.15	- —
tanks, works	lb.	.13	- —
Ethyleneglycol, monomethylether, dms., c.l., works.	lb.	.18	- —
l.c.l., works	lb.	.19	- .23
tanks, works	lb.	.17	- —
Ethylidinanilin, dms.	lb.	.45	- .47½
Ethylmethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts.,	lb.	.07	- —
l.c.l., same terms.	lb.	.07½	- —
tanks, same terms.	lb.	.06	- —
Ethylorthoparatoluenesulphonamide, bbls.	lb.	.55	- —
Ethylparatoluenesulphonamide, bbls.	lb.	.60	- —
Eucalyptol, cns, dms.	lb.	.60	- .65
Eucalyptus leaves, bls.	lb.	.10	- .11
Eugenol, cns.	lb.	2.15	- 2.55
Euphorbia, bls.	lb.	.06	- .06½

F

Feldspar, enamel, 100 mesh, bulk, works.	ton.	14.00	-15.00
glass, 20 mesh, bulk, works.	ton.	11.00	-12.25
pottery, bulk, Me. works.	ton.	17.00	-19.00
N.C. works.	ton.	17.00	-19.00
Fennel seed, French type, bgs.,	lb.	.07	- .07½
India, bgs.	lb.	.07½	- .08
German, large, bgs.	lb.	.18	- .19
small, bgs.	lb.	.13	- .14
Fenugreek seed, bgs.	lb.	.04¾	- .05¼
Ferric sulphate, dms., works.	ton.	35.00	-40.00
Film scrap, colors, dark, cs., 1,000 lbs. or over, E. works	lb.	.12½	- .13
smaller lots, E. works.	lb.	.13½	- .14
light, cs., 1,000 lbs. or over, E. works.	lb.	.14	- .15
smaller lots, E. works.	lb.	.15	- .16
water white, cs., 1,000 lbs. or over, E. works.	lb.	.15	- .16
smaller lots, E. works.	lb.	.16	- .19
Film scrap prices f.o.b. Calif. works, 1c. lb. lower.			
Fir balsam, Canada, cns.	gal.	8.75	-13.00
Oregon, bbls.	gal.	3.00	- 3.25
Fish berries, bgs.	lb.	.10	- .11
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures	unit-ton.	No Prices	
Fish scrap, menhaden, dried grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto.	ton.	58.00	Nom.
wet, acidulated, 6-7% ammon., 3-4% phosphor. acid, bulk, E. Cst. factories, contracts	unit-ton.	No prices	
sardine, meal, Calif., 12-13% ammon., bgs. c.i.f. E. Cst. ports.	unit-ton.	No prices	
Japanese, 11½% ammon., bgs., c.i.f. ports, April shipt.	ton.	52.00	-
spot, re-sale.	ton.	54.00	-55.00
Flake white, bbls., kgs	lb.	.06¾	.07
Fleaseed, French, black, bgs.	lb.	.12	- .12¼
Indian, blonde, bgs.	lb.	.08	- .09
Fluorspar, enamel, 96-98%, bgs.,	ton.	No prices.	
standard gravel, washed, 85 and 5%, dom., bulk, f.o.b. Ill., Ky. mines	ton.	No prices.	
import., bulk, Atlantic ports, duty-paid.	ton.	No prices.	
lump., 85 and 5%, dom., bulk, f.o.b. Ill., Ky., mines.	ton.	No prices.	
powd. 97%, import., bxs., Atlantic ports, duty-paid.	ton.	No Prices	
Formaldehyde, bbls., c.l. works.	lb.	.05¾-	—
l.c.l., works.	lb.	.06¼-	—
dms., c.l., works.	lb.	.05¾-	—
l.c.l., works.	lb.	.05¾-	—
tanks, works.	lb.	.04½-	—
Fringetree bark, bls.	lb.	.13	- .14
Fuller's earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines.	ton.	10.00	- —
import., bgs., c.l., ex dock.	ton.	23.00	- —
l.c.l., ex whse.	ton.	30.00	- —
Furfural, refd., dms., c.l., works.	lb.	.15	- —
l.c.l., works	lb.	.17½	- .2
Furfural, tech., dms., contracts, 150,000 lbs., works.	lb.	.10	- —
c.l., works.	lb.	.12½-	—
l.c.l., works.	lb.	.15	- .20
tanks, works.	lb.	.09	- —
Fusel oil, refd., dms. incl., dlvd,	lb.	.16	- .18
Fustic extract, cryst., bbls.	lb.	.20	- .2
liquid, bbls.	lb.	.08½-	.09
solid, dms.	lb.	.16	- .18

G

G salt, bbls.	lb.	.45	- .48
Galangal root, bls.	lb.	.08	- .09
Gall extract, bbls.	lb.	.19	- .20
Gambier, common, bgs.	lb.	No price	
plantation, bgs.	lb.	.09	- .10½
Cubes, Singapore, bgs.	lb.	.09½-	.10¼
Extract, bbls.	lb.	.08½-	.10½
Gasoline, at refinery—			
Bayonne, US motor, 82-83 octane, tanks.	gal.	.07	- —
63 octane, tanks.	gal.	.07¼-	—
above 65 octane, tanks.	gal.	.07½-	—
California, 86-88, 375 e.p., tanks.	gal.	.07¼-	—
Gulf Coast, US motor, bulk.	gal.	.05¾-	—
60-62, 300 e.p., bulk, export.	gal.	.05¾-	—
60-62, 400 e.p., bulk, export.	gal.	.05¾-	—
64-66, 375 e.p., bulk, export.	gal.	.05¾-	.06
Louisiana-Arkansas, US motor, 62 octane, tanks.	gal.	.05¾-	.06
63-67 octane, tanks.	gal.	.06½-	.06¾
68-70 octane, tanks.	gal.	.06¾-	.06¾
Oklahoma-Texas, U.S. motor, 62 octane and below, tanks.	gal.	.05	- —
Gasoline, at refinery, Oklahoma-Texas, U. S. motor, 63-67 octane, tanks.	gal.	.05½-	—
68-70 octane, tanks.	gal.	.06	- —
60-62, 400 e.p., tanks.	gal.	.04¾-	.05
64-66, 375 e.p., tanks.	gal.	.05¼-	.05¾
natural, 12-lb. v.p., tanks.	gal.	.05½-	.05½
14-lb. v.p., tanks.	gal.	.04¾-	.05
18-lb. v.p., tanks.	gal.	.0420-	.04½
22-lb. v.p., tanks.	gal.	.0385-	.04⅛
26-70-lb., v.p., tanks.	gal.	.03½-	.03¾
Pennsylvania, US motor, below 60 octane, tanks.	gal.	.05¼-	—
60 octane, tanks.	gal.	.06¾-	—
52-54, 450 e.p., naphtha, tanks.	gal.	.05¼-	—
54-56, 400 e.p., strt, run, tanks.	gal.	.05¼-	—

Gasoline, tankwagon and service station (Federal and State taxes included).

	T.W.	S.S.
Atlanta	gal. .205	.225
Boston	gal. .133	.16
Chicago	gal. .157	.177
Cincinnati	gal. .175	.185
Denver	gal. .17	.19
Louisville	gal. .18	.20
Minneapolis	gal. .161	.181
New Orleans	gal. .20	.235
New York	gal. .13	.148
San Francisco	gal. .17	.18

Gelatin, silver, cs.	lb.	.50	- .55
Gelsemium root, bls.	lb.	.12	- .12
Gentian root, bls.	lb.	.14	- .15
grd., bbls, bxs.	lb.	.16	- .17
powd., bbls, bxs.	lb.	.17	- .18
Geraniol, cns.	lb.	.75	- 3.00
Geranyl acetate, bots.	lb.	1.75	- 2.50
Ginger root, Africa, bgs.	lb.	.14½-	.15
Cochin, lemon, bgs.	lb.	.18½-	.18¾
Jamaica, bold, bgs.	lb.	.18½-	.19
grinding, bright, bgs.	lb.	.15	- .15½
medium, bold, bgs.	lb.	.14½-	.15
Japanese, bgs.	lb.	.16	- .16½
Ginseng fibers, cs.	lb.	1.75	- 3.25
Root, cultivated, cs.	lb.	2.00	- 4.00
wild Southern cs.	lb.	6.00	- 7.00

QUALITY GOES UP . . .

AND THE COST COMES DOWN

Glauber's salt, anhyd. (see Soda sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.15
5 tons or over, works... 100 lbs. 1.05 - 1.25
less than 5 tons, works.. 100 lbs. 1.15 - 1.35
import., bgs.....100 lbs. 1.05 - 1.35
Glue, bone, calcimine type, 24 millipoise, 95 jelly-grams, bgs., c.l., dlvd..lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
28/58, bgs., c.l., dlvd.....lb. .13 - —
l.c.l., dlvd.....lb. .13½- —
88/82, bgs., c.l., dlvd.....lb. .14 - —
l.c.l., dlvd.....lb. .14½- —
48/108, bgs., c.l., dlvd.....lb. .14½- —
l.c.l., dlvd.....lb. .15 - —
hide, calcimine type, 53 millipoise, 135 jelly grams, bgs., c.l., dlvd. East, Midwest..lb. .17½- —
l.c.l., same basis.....lb. .18 - —
60/164,bgs.,c.l.,same basis.lb. .19 - —
l.c.l., same basis.....lb. .19½- —
67/192,bgs.,c.l.,same basis.lb. .20 - —
l.c.l., same basis.....lb. .20½- —
75/222, bgs., c.l., same basis lb. .21 - —
l.c.l., same basis.....lb. .22 - —
63/251,bgs.,c.l.,same basis.lb. .22 - —
l.c.l., same basis.....lb. .23 - —
92/283,bgs.,c.l.,same basis.lb. .23 - —
l.c.l., same basis.....lb. .24 - —
102/315, bgs., c.l., same basis lb. .23½- —
l.c.l., same basis.....lb. .24½- —
113/347, bgs., c.l., same basis lb. .24½- —
l.c.l., same basis.....lb. .25½- —
125/379, bgs., c.l., same basis lb. .25½- —
l.c.l., same basis.....lb. .26½- —
Glue prices for barrel packing, ½c. lb higher; grinding charge, 20-40 mesh, ½c lb.; 60 mesh, 1c. lb.

Glycerin, C.P., makers, cns., l.c.l. lb. .31 Nom.
resellers, cns., l.c.l.....lb. .38 Nom.
dms., extra, c.l.....lb. .29 Nom.
l.c.l. .....lb. .29½ Nom.
dynamite, dms., extra, c.l.....lb. .29 Nom.
l.c.l. .....lb. .29½ Nom.
saponification, basis 88%, dms. returnable, dlvd..lb. .29 Nom.
soapiye, basis 80%, dms. returnable, dlvd..lb. .27 Nom.
yellow, distilled, dms. extra, cl. lb. .28¾ Nom.
l.c.l. .....lb. .29¾ Nom.
Glycol boriborate, dms.....lb. .22 - —
Phthalate, dms.....lb. .29 - —
Stearate, dms.....lb. .23 - —
Gold, U.S. purchase price.....oz.35.00 - —
Chloride, acid, brown, bots..oz.21.75 -22.60
yellow, bots.....oz.19.75 -20.60
Gold-soda chloride, photo., bots. oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure seed, bgs.....lb. No stocks
Golden seal root, bls.....lb. 3.00 - 3.25
powd., bxs.....lb. 3.25 - 3.50
Grains of paradise, bgs.....lb. .25 - .26
Graphite, flake (cryst.), 90% 325 mesh, 50% graphitic carbon, bgs., c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., 90% 325 mesh, 65% graphitic carbon, bgs., c.l., works..lb. .02½- —
bbls., c.l., works.....lb. .02¾- —
l.c.l., works.....lb. .03¼- —
80% graphitic carbon, bgs., c.l., works..lb. .03¼- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04¼- —
Grease, house, trcs.....lb. .08½- .08¾
white, trcs.....lb. .08¾- .10
yellow, trcs.....lb. .08½- .08¾
Wool (see Adeps lanae and Degras)

Green, chrome, C.P., dark, light, medium, blue content up to 5% bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .20 - —
6-10%, bbls., same basis.lb. .21 - —
11-15%, bbls., same basis.lb. .22 - —
16-20% bbls., same basis.lb. .22½- —
21-25%, bbls., same basis.lb. .23 - —
26-30%, bbls., same basis.lb. .23½- —
31-35%, bbls., same basis.lb. .24½- —
36-40%, bbls., same basis.lb. .26 - —
41-45%, bbls., same basis.lb. .27½- —
46-50%, bbls., same basis.lb. .29 - —
over 50%, bbls., same basis lb. .30 - —
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La., (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Mones, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, C.P. color content up to 5%, bbls., same basis lb. .05¾- —
6-10%, bbls., same basis.lb. .06¾- —
11-13%, bbls., same basis.lb. .07 - —
14-16%, bbls., same basis.lb. .07¼- —
17-19%, bbls., same basis.lb. .07½- —
20-21%, bbls., same basis.lb. .07¾- —
22-23%, bbls., same basis.lb. .08 - —
24-25%, bbls., same basis.lb. .08¼- —
26-27%, bbls., same basis.lb. .08½- —
28-29%, bbls., same basis.lb. .09 - —
30-31%, bbls., same basis.lb. .09¾- —
32-33%, bbls., same basis.lb. .11 - —
34-35%, bbls., same basis.lb. .12 - —
36-40%, bbls., same basis.lb. .14 - —
41-45%, bbls., same basis.lb. .16 - —

Glauber's Salt—Gum Copal

Green, chrome, reduced, CP color, content, 46-50%, bbls., same basis..lb. .16½- —
51-55%, bbls., same basis.lb. .17 - —
56-60%, bbls., same basis.lb. .17½- —
61-65%, bbls., same basis.lb. .18 - —
66-70%, bbls., same basis.lb. .19 - —
71-75%, bbls., same basis.lb. .20 - —
chrome, oxide, dom., pure, bbls. .20 - —
ceramic, light shades, bbls., c.l., works..lb. .28 - —
l.c.l., works.....lb. .30 - —
standard grade, bbls., works..lb. .19 - .20
import, bbls., kgs., f.o.b. N.Y..lb. .9¹ Nom.
tetrahydroxide, bbls.....lb. .85 - —
Paris (see P)
Verdigris (see V)
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .06½- .10
Guaiac resin, cs.....lb. .35 - .40
strained, cs.....lb. .90 - 1.00
Wood, bls.....lb. .04 - .05
Guaiacol, liq., djns.....lb. 1.65 - 1.92
Carbonate, bxs., kgs.....lb. 2.15 - 2.40
Guarana, powd., cs.....lb. .70 - .75
Gum, aloe (see A)
Ammoniac, tears., cs.....lb. 1.05 - 1.10
Arabic, amber sorts, cleaned, bgs..lb. .10½- .11
white, sorts, 1, bgs.....lb. .27 - .28
2, bgs.....lb. .25 - .26
powd., bbls.....lb. .14 - .15
Asafetida (see A)
Asphaltum (see A)
Benzoin, Siam, cs.....lb. 1.05 - 1.35
Sumatra, cs.....lb. .17 - .18
Camphor (see C)
Chicle, bgs.....lb. .40 - .45
Copal, Congo 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran...lb. .44 - —
Copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ½c. higher for 10 bgs. or over; ¼c. higher for 1-9 bgs.
2, cloudy white, bgs., c.l., same basis..lb. .27½- —
3, selected pale straw bold, bgs., c.l. same basis..lb. .18¾- —
4, pale bold straw, bgs., c.l., same basis..lb. .16¾- —
5, pale straw bold, bgs., c.l., same basis..lb. .14½- —
6, pale amber bold, bgs., c.l., same basis..lb. .12½- —
7, pale straw bold, bgs., c.l., same basis..lb. .13¾- —
8, light amber bold, bgs., c.l., same basis..lb. .10½- —
9, medium light amber bold, bgs., c.l., same basis..lb. .07¾- —
10, rescraped hard amber bold, bgs., c.l., same basis lb. .09½- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .06½- —
12, selected bold sorts, bgs., c.l., same basis..lb. .05¾- —
13, dark sorts bold, bgs., c.l., same basis..lb. .05½- —
14, selected, fully scraped ivory, bgs., c.l., same basis..lb. .17¾- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .06½- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .05½- —
17, pale fingers, bgs., c.l., same basis..lb. .16½- —
18, pale straw nubs, bgs., c.l., same basis..lb. .11 - —
19, pale straw nubs, bgs., c.l., same basis..lb. .10 - —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .06¾- —
21, ordinary selected nubs, c.l., same basis..lb. .06 - —
22, small mixed nubs, bgs., c.l., same basis..lb. .05½- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .05¾- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .12¾- —
25, No. 2 natural ivory nubs, bgs., c.l., same basis..lb. .05½- —
26, pale bold chips, bgs., c.l., same basis..lb. .05¾- —
27, pale small chips, bgs., c.l., same basis..lb. .05¼- —
28, pale dust, bgs., c.l., bgs., same basis..lb. .04¾- —
East India, Batu, bold scraped, bgs., c.l., same basis.lb. .06¼- —
unscraped, bgs., c.l., same basis..lb. .04 - —
chips, bgs., c.l., same basis lb. .03¾- —
dust, bgs.,c.l.,same basis.lb. .05¾- —
nubs and chips, bgs., c.l., same basis..lb. .03¾- —
black, bold, scraped, bgs., c.l., same basis..lb. .07½- —
unscraped, bgs., c.l., same basis..lb. .04½- —
nubs and chips, bgs., c.l., same basis..lb. .04½- —
Hiroe, Macassar, pale, bold bgs., c.l., same basis.lb. .13 - —
chips, bgs., c.l., same basis..lb. .06½- —
dust, bgs., c.l.,same basis lb. .03¾- —
nubs, bgs., c.l., same basis..lb. .11¼- —
Singapore Rasak, bold, bgs., c.l., same basis..lb. .15¾- —
chips, bgs., c.l., same basis lb. .05 - —
dust, bgs.,c.l.,same basis.lb. .09¾- —
nubs,bgs.,c.l.,same basis.lb. .10¾- —
Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .14 - —
light, bskts., c.l., same basis..lb. .18½- —
loba A, bskts., c.l., same basis..lb. .09¾- —
B,bskts.,c.l., same basis.lb. .09¼- —
C,bskts.,c.l., same basis.lb. .08¾- —
CNE, bskts., c.l., same basis..lb. .08 - —
D, bskts, c.l., same basis. lb. .08¾- —
DK, bskts., c.l., same basis lb. .08 - —
DU, bskts., c.l., same basis lb. .08¾- —
dust,bskts.,c.l., same basis. lb. .06½- —
Sambas and white split chips, bskts., c.l., same basis..lb. .13½- —
Singapore, dust, bskts., c.l., same basis..lb. .06½- —
spirit-soluble, CBB, bskts., c.l., same basis..lb. .08¾- —
DBB,bskts., c.l., same basis lb. .08¾- —
MA, bskts, c.l., same basis. lb. .07¼- —
MB, bskts.,c.l., same basis. lb. .06¾- —
WS, bskts.,c.l., same basis. lb. .06½- —

...ALL ALONG THE LINE

Behind the salesfront in a hundred industries Cyanamid carries on a ceaseless campaign of improvement. Lacquer producers seek ways to create longer-life automobile finishes with improved gloss and color retention. Rezyl Resins offer the most acceptable solution. Fabricators of machine parts produced from low and medium carbon steels frequently require increased hardness on the surface so as to improve resistance to wear. Cyanamid developed Aerocase* for heat treating steels rapidly and at low cost. The textile industry asks, "How can we render fabrics creaseproof and more resistant to the effects of water?" Cyanamid supplies the answer with a urea formaldehyde resin.

Step by step Cyanamid attacks the problems of the industries it serves. Slowly but surely quality goes up, costs come down, trouble goes out. Better materials, more efficient methods, faster processes—these are the rewards of Cyanamid's aggressive research activity. We invite you to take advantage of the counsel of our skilled technicians, of our comprehensive list of products, of our speedy, nation-wide delivery service and the modern-spirited cooperation we are equipped to give you.

AMERICAN CYANAMID & CHEMICAL CORPORATION
30 ROCKEFELLER PLAZA, NEW YORK, N. Y.

FOR CLEARER, SOFTER, TEXTILE FINISHES, many manufacturers are finding AQUASOL the ideal material. It is a highly sulphonated finishing oil, produced from the finest castor oil. It is exceptionally light in color and of excellent solubility. Three types of AQUASOL, and varying strengths, are available to meet requirements of the individual plant.

PIGMENT PASTES ground in [1]REZYL 869, an oxidizing type alkyd resin, may be used in lacquer, varnish or synthetic resin enamel to produce "easy-working" finishes. REZYL 869 is compatible with practically all commonly used pigments, including many of the basic types.

PHENAC 633M—One of the most satisfactory types of modified phenol resins for use in the formulation of quick-drying inks, paints and varnishes is [2]PHENAC 633M. High oil solubility and freedom from skinning tendencies plus good dispersing qualities for pigments recommend it for an increasing range of applications.

SALVAGING OUT-WORN MOTION PICTURE FILM to obtain scrap for reuse necessitates the removal of the sensitized gelatine coatings. ENZYME BB, a Cyanamid specialty, has been found highly suitable for this operation.

ANTI-FOAM H is a new foam retarding agent designed for use in the manufacture of cold water paints, in the paper industry and in other processing operations and has been found highly successful.

DOTG is recognized as the strongest of the guanidines for use as an accelerator of vulcanization in rubber products and offers the advantages of good range of cure and the production of very high moduli. It is an exceptionally economical accelerator for use in compounds containing reclaim.

* Trade-mark registered U.S. Pat. Off.
1. Registered trade-mark of the REZYL Corporation, protected by U. S. Patents.
2. Trade-Mark of the American Cyanamid & Chemical Corporation.

Gum Copal—Madder

Gum, copal, Philippine Manila, amber sorts, bskts., c.l., same basis..lb. .07½- —
chips, pale, bskts., c.l., same basis..lb. .08½- —
small, bskts., c.l., same basis..lb. .07½- —
extra pale sorts, bskts., c.l., same basis..lb. .09½- —
subs, bskts., c.l., same basis..lb. .10½- —
pale, scraped, bskts., c.l., same basis..lb. .11½- —
seeds and dust, bskts., c.l., same basis..lb. .06½- —
Pontianak, bold, genuine, bgs., same basis..lb. .16 - —
mixed, bgs., c.l., same basis lb. .14 - —
chips, bgs., c.l., same basis..lb. .10½- —
nubs, bgs., c.l., same basis..lb. .12½- —
split, bgs., c.l., same basis..lb. .13½- —
Dammar, Batavia A, cs., c.l., same basis as copal..lb. .23½- —
A/D, cs., c.l., same basis..lb. .18½- —
A/E, cs., c.l., same basis..lb. .15¼- —
B, cs., c.l., same basis....lb. .22½- —
C, cs., c.l., same basis....lb. .18½- —
D, cs., c.l., same basis....lb. .15⅝- —
dust, cs., c.l., same basis..lb. .05¾- —
E, cs., c.l., same basis....lb. .08¼- —
F, cs., c.l., same basis....lb. .06¼- —
Singapore, 1, cs., c.l., same basis..lb. .17⅜- —
2, cs., c.l., same basis.....lb. .14⅜- —
3, cs., c.l., same basis....lb. .05¾- —
chips, cs., c.l., same basis..lb. .10⅞- —
dust, cs., c.l., same basis..lb. .05¾- —
seeds, cs., c.l., same basis..lb. .08½- —
Elemi, cns., c.l., same basis as copal..lb. .09¾- —
Ester, dms., 75,000 lbs., divd. lb. .11½- —
c.l., single shipment, divd. lb. .11½- —
l.c.l., 3,000 lbs., single shipment, divd..lb. .11⅝- —
smaller lots, divd.....lb. .12 - —
Euphorbium, cs.....lb. .17 - .19
Galbanum, cs.....lb. .95 - 1.00
Gamboge, pipe, cs.....lb. .58 - .59
powd., bbls. .....lb. .65 - .66
Ghatti, soluble, bgs.....lb. .11 - .15
superior bgs. .....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya XXX, bbls., bxs., dms. lb. .24 - .26
XX, bbls., bxs., dms.....lb. .16 - .17
1, bbls., bxs., dms.....lb. .09½- .10
2, bbls., bxs., dms.....lb. .08½- .09
Kauri, brown, XXX, cs., c.l., same basis as copal..lb. .60 - —
BX, cs., c.l., same basis..lb. .33 - —
B1, cs., c.l., same basis..lb. .21 - —
B2, cs., c.l., same basis..lb. .15½- —
B3, cs., c.l., same basis..lb. .12 - —
80% chips, cs., c.l., same basis..lb. .09½- —
pale, XXX, cs., c.l., same basis..lb. .65 - —
1, cs., c.l., same basis..lb. .40 - —
2, c.s., c.l., same basis..lb. .22 - —
3, c.s., c.l., same basis..lb. .15 - —
Kino, tins .....lb. .70 - .80
Mastic, c.s., c.l., same basis as copal..lb. .87 - .88
Myrrh, USP, cs.....lb. .38 - .40
Olibanum, siftings, cs.....lb. .07 - .08
tears, cs.....lb. .12 - .24
Opium (see O)
Rosin (see R)
Sandarac, cks, c.l., same basis as copal..lb. .33 - .35
Scammony, cs.....lb. 1.10 - 1.15
Senegal, picked, bgs.....lb. .20 - .21
sorts, bgs. .....lb. .09¾- .10¼
Talha, bgs. .....lb. .08 - .08
Thus, bbls.....280 lbs. 12.00 Nom.
strained, bbls.....280 lbs. 12.00 Nom.
Tragacanth, Aleppo, 1, cs....lb. 2.40 - 2.50
2, cs. .....lb. 2.00 - 2.10
3, cs. .....lb. 1.95 - 2.05
4, cs. .....lb. 1.85 - 1.95
5, cs. .....lb. 1.65 - 1.75
Flake, bgs. .....lb. .80 - .75
Yacca, bgs., c.l., same basis as copal..lb. .03½- —
powd., bgs., c.l., same basis, lb. .04½- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton. 21.15 - —
Medicine Lodge, Kans., frt. equald..ton. 17.00 - —
New Brighton, N. Y., frt. equald..ton. 27.15 - —
Southard, Okla., frt. equald..ton. 17.00 - —
Sweetwater, Tex., frt. equald..ton. 21.15 - —
Plaster of paris, paper bgs., c.l., f.o.b. Acme, Tex., frt. equaled..ton. 12.50 - —
Blue Rapids, Kans., frt. equald..ton. 12.50 - —
New Brighton, N. Y., frt. equald..ton. 15.70 - —
Southard, Okla., frt. equald..ton. 12.50 - —
Sweetwater, Tex., frt. equald..ton. 12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Texas; Blue Rapids, Kans., Fort Dodge, Ia.; Grand Rapids Mich.; Gypsum, O.; New Brighton, N.Y.; Oakfield, N. Y.; Plastercо, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald. ton. 8.00 - —
Terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y., Southard, Okla., frt. equald..ton. 12.00 - —
import., bgs., ex dock....ton. 27.50 - —

H

Heliotropin, cryst., cns.....lb. 2.00 - 2.80
Hellebore, white, robt, powd., bbls. lb. 12 - .13
Helonias root, bls.....lb. .87 - .88
Hematine crystals, bbls.....lb. .10 - .26
Hemlock extract, 25% tan., bbls. lb. .03½- —
tanks .....lb. .02¾- —
Hempseed, Manchur, bgs.....lb. .03¾- .04½
Henbane leaves, bls.....lb. .22 - .23
Henna leaves, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .09 - .10
Heptane, mixed, 77-115°C., dms., c.l., Group 3...al. .12 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .09½- —
normal, 96-100°C., dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
Hexalin, dms. .....lb. .80 - —
Hexane, normal, 60-70° C., dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .10 - —
l.c.l., Group 3.....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more shipments, f.o.b. Perth Amboy or N. Y. C..lb. .35 - —
150 to 1,350 lbs. shipments, same basis..lb. .36 - —
USP, dms., 500 lbs. or more shipments, same basis..lb. .46 - —
100 to 400 lbs. shipments, same basis..lb. .47 - —
Hexyl acetate, secondary, dms., c.l., frt. pd. E. of Rocky Mts.....lb. .10 - —
l.c.l., same terms.....lb. .10½- —
tanks, same terms.....lb. .09 - —
Homatropine hydrobromide, bots., vls..oz. 13.00 - 13.50
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit-ton. 3.25 - —
Hops, dom., 1935 crop, bls....lb. .25 - .32
import., 1935 crop, bls.....lb. .55 - .80
Horehound, bls.....lb. .07½- .08
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, vls.....oz. 17.00 - 17.25
Hydrochloride, vls.....oz. 17.00 - 17.25
Sulphate, vls.....oz. 19.00 - 19.25
Hydrastis (see Golden seal).
Hydrofluramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen, peroxide, USP, bbls. lb. .03¾- .04
100 vols., cbys., E. of Miss. R. lb. .20 - —
W. of Miss. R.....lb. .21 - —
Hydroquinone, bbls., kgs.....lb. 1.10 - 1.15
Hyoscine hydrobromide, vls...oz. 18.00 - 18.25
Hyoscyamine, vls. .....oz. 15.00 - —
Hydrobromide, vls. .....oz. 15.00 - —
Sulphate, vls. .....oz. 15.00 - —
Hypernic, liq., 51°, bbls.....lb. .15 - .20
solid, bxs. .....lb. .17 - .20

I

Iceland moss, bls.....lb. .13 - .14
Ichthyol, bots.....lb. 4.00 - 4.25
Indian red (see Red, Indian).
Indigo, nat., Bengal, bbls.....lb. 2.40 - —
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb. 34.00 - 36.00
Insect flowers (see Pyrethrum).
Iodine, crude, kgs.....lb. .90 - —
resubl., kgs.....lb. 1.50 - 1.55
tincture, bbls.....gal. 1.90 - —
Iodoform, kgs., 100 lbs.....lb. 3.75 - 3.90
Ionone, bots.....lb. 3.25 - 4.00
Ipecac root, bgs.....lb. 1.00 - 1.10
powd., bxs.....lb. 1.10 - 1.20
Irish moss, ordinary, bls.....lb. .11 - .12
powd., 80-90 mesh, bbls...lb. .24 - .32
prime, bleached, bls.....lb. .20 - .21
Iron acetate, CP, 17% solut., bbls. lb. .03 - .04
Chloride, tech., cryst., bbls., kgs..lb. .05 - .08
USP, cryst., bbls.....lb. .07½- .08
solut., cbys.....lb. .06½- .06½
Citrate, USP VIII, pearls, cns. lb. .72 - —
powd., cns.....lb. .84 - —
scales, cns.....lb. .77 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 2.95 - 3.00
syrup, djns.....lb. .37 - .38
bots. .....lb. .52 - —
Nitrate, comi., kgs.....lb. .02¾- .03
Oxalate, powd., kgs.....lb. .47 - —
cns. .....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns. lb. .54 - —
scales, cns.....lb. .59 - —
Ferrous, cns.....lb. .35 - —
Pyrophosphate, pearls, cns...lb. .59 - —
scales, cns.....lb. .64 - —
Reduced, 90%, cs.....lb. .60 - .65
Sulphate, tech. (see Copperas).
USP, cryst., bbls.....lb. .04½- .04½
Iron-ammonia citrate, brown, gran., cns..lb. .37 - .39
pearls, cns.....lb. .37 - .38
scales, cns.....lb. .47 - .48
green, gran., cns.....lb. .37 - .38
pearls, cns.....lb. .37 - .38
scales, cns.....lb. .47 - .48
Oxalate, bxs.....lb. .31 - —
fib., dms.....lb. .24½- —
kgs. .....lb. .26½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs. .....lb. .44 - —
jars .....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .31 - —
fib., dms.....lb. .24½- —
kgs. .....lb. .26½- —
Isobutyl carbinol (see Carbinol).
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .58 - —
Isopropanol, see Alcohol, isopropyl.
Isopropyl acetate, dms., c.l., frt. pd. E. of Rocky Mts..lb. .07½- —
l.c.l. same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
Alcohol (see Alcohol).
Ether, dms., c.l., works, frt. alld. E. of Miss R..lb. .07 - —
l.c.l. .....lb. .08 - —
tanks .....lb. .06 - —

J

Jaborandi leaves, bls.....lb. .10 - .11
Jalap root, NF, bls.....lb. .17 - .19
powd., bbls., bxs.....lb. .21 - .23
Juniper berries, bgs.....lb. .05½- .06

K

Kamala, tins.....lb. .45 - .50
Kava kava root, bls.....lb. .21 - .25
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks. gal. .05¾- —
Gulf ports, p.w., bulk, export. gal. .05 - .05¼
w.w., bulk, export.....gal. .05¼- .05½
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .04¼- 04½
Oklahoma-Texas, 41-43 w.w. tanks—gal. .04 - —
42-44 w.w., tanks.....gal. .04¼- —
Pennsylvania, 45 w.w., tanks. gal. .05½- —
48 w.w., tanks.....gal. .05¼- —
47 w.w., tanks.....gal. .05⅜- —
Kerosene, tankwagon:—
Atlanta .....gal. .14¼- —
Boston .....gal. .07½- —
Chicago .....gal. .098 - —
Cincinnati .....gal. .135 - —
Denver .....gal. .11 - —
Louisville .....gal. .10 - —
Minneapolis .....gal. .102 - —
New Orleans.....gal. .11 - —
New York.....gal. .07½- —
San Francisco.....gal. .115 - —
Kerosene distillate (see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$, bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .09 - .10

L

Lady slipper root, bls.....lb. .42 - .43
Lanolin (see Adeps lanae).
Lard, city tubs.....100 lbs. 13.00 -13.25
Middlewestern, trcs...100 lbs. 12.65 -12.75
Western, choice, trcs...100 lbs. 12.75 -12.85
Compound, trcs.....100 lbs. 13.50 -13.75
Neutral, trcs.....100 lbs. 14.00 -14.25
Larkspur seed, bgs.....lb. .25 - .26
Laurel berries, bls.....lb. .09 - .10
Leaves, Ital., bls.....lb. .05 - .05½
Lavender flowers, ordinary, bls. lb. .40 - .42
select, bls.....lb. .60 - .75
Lead acetate, white, broken, bbls..lb. .11½- —
cryst., bbls .....lb. .11½- —
gran., bbls.....lb. .12¼- —
powd., bbls.....lb. .12¼- —
Arsenate, dms., dealers, E. of Rockies..lb. .10½- —
W. of Rockies.....lb. .10½- —
1,000 lbs. or more, dealers, dms., E. of Rockies..lb. .11 - —
W. of Rockies.....lb. .10¾- —
less than 1,000 lbs., dealers, E. of Rockies..lb. .11½- —
W. of Rockies.....lb. .11½- —

Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck. allowance for works or whse. pick-ups.

Blue, basic sulphate, bbls., c.l., divd., E..lb. .06½- —
divd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .07 - —
l.c.l., divd., E.....lb. .06¾- —
divd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .07¼- —
Carbonate (see Lead, white).
Chloride, pure, bxs.....lb. .49 - .50
Iodide, jars.....lb. 2.35 - 2.40
Linoleate, pale, precip., dms. lb. .18 - —
Metal (see daily quotations in market report)
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .20½- —
Nitrate, bbls.....lb. .09 - .09½
Oleate, bbls.....lb. .15 - —
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), divd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0875- —
other points.....lb. .0850- —
l.c.l., 5 tons, divd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
divd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash. lb. .09¾- —
Colo., Mont., N. Mex., Wyo.....lb. .09½- —
other points.....lb. .09 - —
97%, Pb_3O_4, bbls., c.l. (20 tons) divd., Ala., etc. lb. .09 - —
other points.....lb. .09¾- —
l.c.l., 5 tons, divd., Ala., etc...lb. .09¼- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
smaller lots, divd. Ala., etc..lb. .10 - —
Ariz., etc.....lb. .10¼- —
Colo., etc.....lb. .10¼- —
other points.....lb. .09¾- —
95%, Pb_3O_4, bbls., c.l. (20 tons) divd., Ala., etc. lb. .0925- —
other points.....lb. .09 - —
l.c.l., 5 tons, divd. Ala., etc..lb. .09¾- —
Ariz., etc.....lb. .10¼- —
Colo., etc.....lb. .10 - —
other points.....lb. .09½- —
smaller lots, divd. Ala., etc..lb. .10¼- —
Ariz., etc.....lb. .10¾- —
Colo., etc.....lb. .10½- —
other points.....lb. .10 - —
in oil, steel kegs, 1,000 lbs..lb. .11¼- —
500 lbs.....lb. .11½- —
smaller lots.....lb. .12½- —
Resinate, fused, 16%, bbls...lb. .09½- —
pale, bbls.....lb. .12½- —
precip., bbls.....lb. .16½- —
Stearate, bbls.....lb. .22 - .23
Sulphate (see Lead, white)
Titanate, bbls., c.l., f.o.b. works, frt. alld..lb. .10 - —
l.c.l., 5 tons, one delvy, divd. lb. .10¾- —
smaller lots.....lb. .10½- —
White, dry, basic carbonate, bbls., c.l., divd. Ariz., Cal., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07½- —
other points.....lb. .07¼- —
l.c.l. divd. Ariz., etc..lb. .07¼- —
other points.....lb. .07½- —
basic sulphate, bbls., c.l., divd. Ariz., etc..lb. .07 - —
other points.....lb. .06½- —
l.c.l., divd. Ariz., etc.lb. .07¼- —
other points.....lb. .06¾- —
in oil, 100-lb. kgs., 1,000 lbs., divd..lb. .10¾- —
500 lbs., divd.....lb. .11 - —
smaller lots, divd.....lb. .12 - —
Lemon peel, bls.....lb. .09 - .10
Licorice extract, mass, cs.....lb. .17 - .18
powd., bbls.....lb. .27 - .28
Root, bls.....lb. .04½- .05
powd., bbls., bxs.....lb. .07 - .08
select, bndls., cs.....lb .20 - .21
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b. Bellefonte, Pa.....ton. 7.00 - —
Berkeley, W. Va....ton. 7.00 - —
California, northern..ton. 11.80 - —
southern .....ton. 11.45 - —
Cedar Hollow, Pa...ton. 8.00 - —
Chicago .....ton. 7.25 - —
Crab Orchard, Tenn.ton. 6.25 - —
Dallas, Texas.....ton. 8.50 - —
Durbin, Ohio.....ton. 6.50 - —
Eagle Mountain, Va.ton. 6.25 - —
Easton, La.....ton. 7.00 - —
Farnams, Mass.....ton. 7.50 - —
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Ten.....ton. 6.25 - —
Leroy, Minn.....ton. 8.00 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Marble Cliff, Ohio...ton. 6.50 - —
Marblehead, Ohio....ton. 7.00 - —
Martinsburg, W. Va.ton. 7.00 - —
Menominee, Mich....ton. 7.50 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Petosky, Mich.....ton. 8.00 - —
Port Island, Mich...ton. 7.50 - —
Ripplemead, Va.....ton. 6.25 - —
Riverton, Va.....ton. 6.25 - —
Scioto, Ohio.....ton. 8.00 - —
Sheboygan, Wis.....ton. 7.00 - —
Sherwood, Wis.....ton. 7.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio....ton. 7.00 - —
hydrated, paper bags, f.o.b. Bellefonte, Pa..ton. 8.50 - —
Berkeley, W. Va....ton. 8.50 - —
Buffalo .....ton. 11.00 - —
California, northern..ton. 15.30 - —
southern .....ton. 13.95 - —
Cedar Hollow, Pa...ton. 8.50 - —
Chicago .....ton. 9.50 - —
Crab Orchard, Tenn.ton. 9.00 - —
Dallas, Tex.....ton. 12.00 - —
Durbin, Ohio.....ton. 8.00 - —
Eagle Mountain, Va.ton. 8.50 - —
Easton, La.....ton. 9.00 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton. 14.50 - —
Marble Cliff, Ohio...ton. 8.00 - —
Marblehead, Ohio....ton. 9.00 - —
Martinsburg, W. Va.ton. 8.50 - —
Milltown, Ind.....ton. 12.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Pelham, Ala.....ton. 9.00 - —
Petosky, Mich.....ton. 9.00 - —
Port Island, Mich...ton. 9.00 - —
Rapid City, S. D....ton. 12.00 - —
Ripplemead, Va.....ton. 8.00 - —
Riverton, Va.....ton. 9.00 - —
Scioto, Ohio.....ton. 8.00 - —
Sherwood, Wis.....ton. 9.00 - —
Siluria, Ala.....ton. 9.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio....ton. 8.50 - —
spray, paper bgs., f.o.b. Bellefonte, Pa..ton. 9.00 - —
Durbin, Ohio.....ton. 9.00 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonburg, Ohio....ton. 11.00 - —
Marble Cliff, Ohio...ton. 11.00 - —
Marblehead, Ohio....ton. 11.00 - —
Mitchell, Ind.....ton. 9.00 - —
Scioto, Ohio.....ton. 9.00 - —
Sherwood, Wis.....ton. 9.00 - —
Woodville, Ohio....ton. 11.00 - —
Salts (see Calcium)
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex. .....lb. .07½- .08¼
dms., same basis.....lb. .10½- —
400 lbs. or more, bgs. same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08¼- .09¼
dms., same basis.....lb. .12 - —
Solution, dms., consumer, c.l., works, fr't all'd..gal. .13½- .16½
dealer, fr't all'd.....gal. .13 - .16
l.c.l., consumer, fr't all'd gal. .15 - .18
dealer, fr't all'd.....gal. .14 - .17
tanks, consumer, divd...gal. .11½- —
dealer, divd.....gal. .11 - —
Linalool, cns.....lb. 1.90 - 2.10
Linalyl acetate, cns., 25 lbs...lb. 1.60 - 2.35
Linden flowers, with leaves, bls. lb. .16 - .17
without leaves, bls.....lb. .17 - .18
Linseed cake, bgs., export....ton. 34.00 - —
Meal, 32%, dom., bgs.....ton. 42.50 - —
Litharge, com'l, powd., bbls., 20-tons divd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash..lb. .0775- —
other points.....lb. .0750- —
5 tons, divd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash....lb. .08¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash...lb. .08¾- —
Colo., Mont., N. Mex., Wyo..lb. .08½- —
other points.....lb. .08 - —
smaller lots, divd., Ala., etc..lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
Lithium bromide, jars.....lb. 1.70 - 1.75
Carbonate, bbls.....lb. 1.25 - 1.30
Chloride, bbls.....lb. 1.65 - 2.00
Citrate, bbls.....lb. 1.40 - 1.50
Iodide, bots.....lb. 4.85 - —
jars .....lb. 4.70 - —
Fluoride, bbls.....lb. 2.00 - 2.50
Lithopone, dom., high-strength, bgs., 1,000 lbs., divd. E. or ex whse. Pac. Cst.....lb. .05¾- —
smaller lots, same basis. lb. .06 - —
bbls., 1,000 lbs., same basis, lb. .06 - —
smaller lots, same basis. lb. .06¼- —
ordinary, bgs., 1,000 lbs., same basis..lb. .04½- —
smaller lots, same basis. lb. .04½- —
bbls., 1,000 lbs., same basis..lb. .04½- —
smaller lots, same basis lb. .04¾- —
titanated, bgs., 1,000 lbs., same basis..lb. .05¾- —
smaller lots, same basis. lb. .06 - —
bbls., 1,000 lbs., same basis, lb. .06 - —
smaller lots, same basis. lb. .06¼- —
Liverwort leaves, bls.....lb. .18 - .19
Lobelia herb, bls.....lb. .13 - .15
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls. lb. .16 - .20
liquid, 51°, bbls.....lb. .06½- .10½
solid, bxs.....lb. .13½- .17
Sticks, Haitian, shipt.....ton. 24.00 -26.00
Lovage root, dom., bls.....lb. .55 - .65
import, bls.....lb. .35 - .37
Lupulin, N.F., tins.....lb. 1.75 - 2.00
Lycopodium, cs.....lb. .95 - 1.00

M

Mace, Banda, cs.....lb. .62 - .64
Batavia, cs. .....lb. .48 - .49
Slauw 1, cs.....lb. .55 - .57
Madder, Dutch, bgs.....lb. .22 - .25

Magnesia arsenate, bgs.....lb. .18 - .20
Calcined, dom.,-four-hour,including activator, ctns., 10,000 lbs. or over, f.o.b. Plymouth Meeting, Pa., frt. alld. to Balto., Bost., N. Y., Phila..lb. .27 - —
1,000-10,000 lbs., same basis..lb. .28½- —
less than 1,000 lbs., same basis..lb. .30 - —
tech., heavy, bbls., f.o.b. Plymouth Meeting, Pa., frt. alld. to Balto., Bost., N. Y., Phila..lb. .25 - —
1-lb. pkgs., same basis.lb. .38 - —
light, bbls., same basis.lb. .23 - —
1-lb. tins, same basis.lb. .33 - —
USP, heavy, bbls., same basis. lb. .30 - —
1-lb. pkgs., same basis.lb. .40 - —
special, bbls., same basis, lb. .27 - —
super light, bbls., same basis..lb. .30 - —
calcined, USP, import., heavy, pharm., bbls..lb. .50 - —
light, extra, bbls.....lb. .36 - .40
standard, bbls.....lb. .30 - —
Carbonate, tech., bgs., c.l., works..lb. .06 - .06½
USP, bbls., c.l.....lb. .08½- .09
Chloride, flake, dom., bbls., works..ton39.00 -42.00
Hypophosphite, cns.....lb. 1.45 - 1.50
Oxide (see Calcined)
Palmitate, bbls.....lb. .53 Nom.
Peroxide, 15%, dms., works.lb. 1.00 - 1.95
Silicate (see Talc)
Silicofluoride, bbls.....lb. .09½- .10½
Stearate, bbls., ctns., c.l....lb. .21 - —
1 ton.....lb. .22 - —
1,000-2,000 lbs.....lb. .23 - —
smaller lots.....lb. .24 - —
Sulphate (see Epsom salt)
Magnesite,cal., import., bbls.ton.60.00 -65.00
dead-burned, dom., bulk, c.l., f.o.b. Chewehah, Wash...ton.24.00 - —
Malva flowers, black, bls.....lb. .40 - .42
Blue, bls.....lb. .45 - .50
Leaves, bls.....lb. .11 - .12
Manaca root, bls.....lb. .20 - .21
Mandrake root, bls.....lb. .11 - .12
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .21 - .23
Chloride, bbls.....lb. .09 - —
Dioxide, Caucasian, 85-90%, csks., c.l., works..ton.51.50 - —
l.c.l., 5 tons, works..ton.54.50 - —
smaller lots, works.ton.59.50 - —
burlap bgs.,c.l., works.ton.49.50 - —
l.c.l., 5 tons, works..ton.52.50 - —
smaller lots, works.ton.57.50 - —
paper bgs., c.l., works.ton.47.50 - —
l.c.l., 5 tons, works.ton.50.50 - —
smaller lots, works.ton.55.50 - —
Glycerophosphate, bbls., cans., 100 lbs..lb. 2.60 - 2.65
Hydrate, bbls., dlvd.....lb. .32 - —
Iodide, bots., jars.....lb. 5.10 - 5.15
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls....lb. .19 - —
Ore, 52% basis, bbls., c.i.f. Atl. pts..unit-ton. .26 - .27
Resinate, fused, 3½%, bbls..lb. .06¼- .06¾
precip., dms.....lb. .12 - —
Sulphate, anhyd.,bbls.,works.lb. .07 - .07½
cryst., 65% $MnSO_4$, bgs., c.l., dlvd. South.....ton.48.75 - —
80-85%, bgs., c.l., works, frt. alld. to S.F.A. territory unit-ton. .75 - —
l.c.l., 5 tons, works...lb. .03½- —
smaller lots, works..lb. .04 - —
Mangrove bark, bgs., shipt., ton.26.00 -27.00
Manna, flake, large, cs.....lb. .36 - .37
small, cs.....lb. .21 - .22
Mannitol, pure, cryst., cs., works lb. 1.48 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bbls.....lb. .17 - .17½
Tunisan, bls.....lb. .16 - .16½
Matico leaves, bls.....lb. .29 - .30
Menthol, cs.....lb. 3.30 - 3.40
synthetic, cs.....lb. 2.25 - 2.50
Menthyl salicylate, tins, 100 lb. lots..lb. 3.00 - —
25 lb., lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails. lb. .87 - .89
50%, pails.....lb. 1.26 - 1.28
Mercury (see Quicksilver)
Bichloride (see Corrosive sublimate)
Bisulphate, kgs.....lb. 1.33 - —
Chloride (see Calomel)
Iodide, red, kgs., jars.....lb. 3.55 - 3.60
Yellow, kgs., jars.....lb. 3.65 - 3.70
Nitrate ointment (see Citrine ointment)
Oxide, black, dms., kgs.....lb. 3.85 - —
Red, N.F. (see Red precipitate) tech. (see Red, mercury oxide)
Yellow, dom., tech., bbl....lb. 1.49 - —
USP, dms., kgs.....lb. 1.91 - —
Mercury and chalk, kgs.....lb. .90 - .91
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
Composition, 5½x5½ in.pkg. 1.65 - 1.90
Gold,XX deep,3⅜x3⅜ in.pkg.14.50 -15.00
3⅜x3⅜ in.....pkg.16.00 -16.50
4x4 in.....pkg.18.50 -19.00
3⅜x5⅞ in.....pkg.21.50 -22.00
3⅞x5⅞ in.....pkg.23.50 -24.00
Silver, 3⅜x3⅜ in.....pkg. 2.50 - 2.75
Metanitroanilin, kgs.....lb. .67 - .69
Metanitroparatoluidin, bbls....lb. 1.45 - —
Metaphenylenediamine, kgs....lb. .80 - —
Metatoluylenediamine, kgs.....lb. .65 - —
Methanol, denat, grade, dms., c.l., frt. alld..gal. .53 - —
contracts.....gal. .50 - —
tanks, frt. alld.....gal. .48 - —
contracts, frt. alld....gal. .45 - —
pure, nat'l or synth., dms., c.l., Zone 1, frt. alld..gal. .38 - —
2, frt. alld.....gal. .41 - —
3, frt. alld.....gal. .42 - —
4, frt. alld.....gal. .44 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .40½- —
2, frt. alld. or dlvd..gal. .47 - —
3, frt. alld. or dlvd..gal. .44½- —
4, frt. alld. or dlvd..gal. .60 - —
tanks, Zone 1, frt. alld.gal. .33 - —
2, frt. alld.....gal. .35½- —
3, frt. alld.....gal. .36½- —
4, frt. alld.....gal. .37 - —
95%, 2c. less than pure, all zones, frt. alld.
97%, 1c. less than pure, all zones, frt. alld.

Methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J. N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 99%, dms., c.l.; frt. alld. E. of Rockies..lb. .16 - —
W. of Rockies.....lb. .16½- —
l.c.l., frt. alld. E. of Rockies..lb. .17 - —
W. of Rockies.....lb. .17½- —
Methyl acetate, 82%, dms., c.l., frt. alld. E. of Rockies...lb. .13 - —
W. of Rockies.....lb. .13½- —
l.c.l., frt. alld. E. of Rockies..lb. .14 - —
W. of Rockies.....lb. .14½- —
Acetoacetate, dms., c.l., works, frt. alld. .....lb. .29½- —
Acetone, dms., c.l., contracts, Zone 1, frt. alld..lb. .45½- —
2, frt. alld.....gal. .47½- —
3, frt. alld.....gal. .48½- —
4, frt. alld.....gal. .51 - —
5, frt. alld.....gal. .50½- —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .48 - —
2, frt. alld. or dlvd....gal. .52½- —
3, frt. alld. or dlvd....gal. .51 - —
4, frt. alld. or dlvd....gal. .05½- —
5, frt. alld. or dlvd....gal. .58½- —
tanks, contracts, Zone 1, frt. alld..gal. .41 - —
2, frt. alld.....gal. .42½- —
3, frt. alld.....gal. .44½- —
4, frt. alld.....gal. .44½- —
5, frt. alld.....gal. .44½- —

Methyl acetone in bbls. 2½c. per gal. more, in all brackets. The sales zones are: Zone 1, Conn., Dela., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, L. A. and San Fran., Cal.; Portland, Ore.; Seattle, Wash.; Zone 4, Ariz, Col., Mont., Nev., Idaho, Ore., Utah and Wash.; Zone 5, N. Mex., Tex., Wyo.

Methyl acetone, synthetic, dms., c.l., Zone 1, frt. alld. E. of Rockies..gal. .52½- —
2, frt. alld. E. of Rockies, gal. .54½- —
3, Pacific coast.....gal. .55½- —
l.c.l., Zone 1, frt. alld. E. of Rockies..gal. .55 - —
2, frt. alld. E. of Rockies, gal. .59½- —
3, Pacific coast.....gal. .58 - —
tanks, Zone 1, frt. alld. E of Rockies..gal. .48 - —
2, frt. alld. E. of Rockies, gal. .49½- —
3, Pacific coast.....gal. .51 - —

Methyl acetone, synthetic, sales zones are:—Zone 1, Conn., Dela., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, Pacific coast.

Methyl alcohol (see Methanol).
Anthranilate, bots.....lb. 1.95 - 2.05
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Chloride, cylrs.....lb. .37 - .43
Cinnamate, bots.....lb. 3.00 - 3.75
Formate, dms.....lb. .35 - .36
Iodide, bots., jars.....lb. 5.80 - 5.85
Salicylate, dms.....lb. .40 - .43
tins.....lb. .42 - .45
Violet toner, bbls. (500 lbs.).lb. .40 - —
smaller lots.....lb. .42 - —
permanent, bbls.....lb. .80 - —
Methylbutyl ketone, dms., c.l., frt. pd. E. of Rocky Mts.lb. .11½- —
l.c.l., same terms.....gal. .12 - —
tanks, same terms.....gal. .10½- —

Magnesia Arsen.—Mica

Methylene, blue, medicl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Methylene chloride, dms., f.o.b. works..lb. .12 - —
Methylheptenone, bots.....lb. 2.50 - 3.00
Methylheptin carbonate, bots..lb.37.50 -44.00
Methylhexyl ketone, dms., tech., wks..lb. .60 - —
Methylisobutyl ketone, dms., c.l. wks..gal. .75 - —
l.c.l. wks.....gal. .80 - —
tanks, wks.....gal. .70 - —
Methylpropyl carbinol (see Carbinol).
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 8.00 - —
l.c.l., same basis.....ton.10.00 - —
180 mesh, containers extra, c.l., same basis..ton.10.00 - —
l.c.l., same basis.....ton.12.00 - —
250 mesh, containers, extra, c.l., same basis..ton.12.00 - —
l.c.l., same basis.....ton.14.00 - —
325 mesh, containers extra, c.l., same basis..ton.17.00 - —
l.c.l., same basis.....ton.19.00 - —
Mica, dry-grd., plastic, No. 100, 46 mesh, bgs.,c.l., works.ton.35.00 - —
l.c.l., works.....ton.43.75 - —
second grade, bgs., c.l., works..ton.33.00 - —
l.c.l., works.....ton.41.25 - —

SERVICE!
Through The Years

The spirit of service can never grow old. Through the years HINDE & DAUCH have been motivated by a keen desire to serve . . . a quality product economically produced . . . sincere cooperation . . . square dealing . . . prompt delivery from fourteen factories throughout industrial America . . . these are but a few of the reasons why H & D corrugated shipping boxes are in continuous demand by the country's leading manufacturers.

HINDE & DAUCH Corrugated Shipping Boxes

H&D Protects in Transit

THE HINDE & DAUCH PAPER COMPANY
209 DECATUR STREET - SANDUSKY, OHIO
Send me your FREE book, "Corrugated Boxes for Paint, Varnish, Lacquer and Enamel."

Name_____ Pos._____
Company_____
Address_____
City_____ State_____

Mica—Oil, Degras

Mica, dry-grd., plastic, 250, 160 mesh, bgs., c.l., works..ton.40.00 -50.00
i.c.l., works.....ton.40.00 -50.00
second-grade, bgs., c.l., works..ton.23.90 -30.00
l.c.l., works.....ton.29.90 -47.50
200, 140 mesh, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
roofing, bgs., c.l., works..ton.23.50 -30.00
l.c.l., works.....ton.30.00 -37.50
wet-grd., 160 mesh., pure white, bgs., c.l., dlvd., E. of Miss R..100 lbs. 4.50 - —
W. of Miss. R...100 lbs. 5.00 - —
l.c.l., works.....100 lbs. 4.50 - —
standard, bgs., c.l., works, frt. alld. E. of Miss R. 100 lbs. 3.50 - —
W. of Miss. R.100 lbs. 4.00 - —
l.c.l., works.....100 lbs. 3.50 - —
Michler's ketone, kgs.....lb. 2.50 - —
Milk powder, skimmed, roller, bbls., c.l..lb. .10¼- —
l.c.l. .....lb. .11¼- —
spray, bbls., c.l.....lb. .11 - —
l.c.l. .....lb. .12 - —
unskimmed, roller, bbls., c.l..lb. .21½- .22
l.c.l. .....lb. .22 - .22½
spray, bbls., c.l.....lb. .21½- .22
l.c.l. .....lb. .22 - .22½
Millet seed, bgs.....lb. .03½- .04
hulled, bgs.....lb. .06½- .07
Mineral spirits (see Petroleum thinner and V. M. & P. naphtha).
Molasses, blackstrap, tanks..gal. .07¼- —
New Orleans.....gal. .07 - —
Molybdenum metal, 99% powd., kgs..lb. 2.50 - 2.75
Monoamylamine, dms., l.c.l., works..lb. 1.00 - —
Monochlorobenzene, dms.....lb. .06 - .06¼
l.c.l., same basis.....lb. .30 - —
Monoethanolamine, dms., c.l., works..lb. .31 - —
l.c.l., dms .....lb. .32 - —
tanks .....lb. .30 - —
Monoethylaniline, dms.....lb. .77 - .79
Monomethyl para-aminosulphate, dms..lb. 3.75 - 4.00
Morphine, cns.....oz.10.00 -10.95
Acetate, bots.....oz. 8.80 - 8.85
Ethylhydrochloride, vis.....oz.10.50 -10.55
Hydrobromide, cns.....oz. 8.70 - 8.75
Sulphate, cns.....oz. 8.75 - 8.80
Mullein flowers, cns.....lb. .90 - .95
Leaves, bls.....lb. .07 - .08
Musk, nat., Cabardine, grained, bots..oz. No stocks
pods, bots.....oz. No stocks
Tonquin, grained, bots.....oz.21.00 -22.00
pods, bots.....oz.14.50 - —
synth., ambrette, cns.....lb. 4.20 - —
Ketone, cns.....lb. 4.35 - —
Xylol, 100%, cns.....lb. 1.25 - —
Musk Root, bls.....lb. .09 - .10
Mustard seed, Bombay, brown, bgs..lb. .05¾Nom.
California, brown, bgs.....lb. .06½- .07
yellow, bgs.....lb. No stocks
Chinese, yellow, bgs.....lb. .06 - .06½
Danish, yellow, bgs.....lb. .07¾- .08¼
Dutch, yellow, bgs.....lb. .07½- .08
English, yellow, bgs.....lb. .09 - .09½
Hungarian, yellow, bgs.....lb. .07¼- .07½
Montana, brown, bgs.....lb. .07¾ Nom.
yellow, bgs.....lb. .07 - .07½
Roumanian, yellow, bgs....lb. .06½- .07
Myrobalans, J1 bgs, shipt..ton.28.00 - —
J, bgs, shipt.....ton.20.75 - —
R2, bgs., shipt.....ton.20.25 - —
Extract, liquid, 25%, bbls....lb. .04¼- .05¼

N

Naphtha hydrogenated (see Petroleum naphtha, high solvency).
Painters' (see Petroleum naphtha, V.M.&P.).
Solvent (see S).
Naphthalene, crude, dom., bgs., works..100 bgs. 2.85 - 3.00
import., 74-78% bgs., Atlantic ports..100 lbs. 2.85 - 3.00
Naphthalene refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07½- —
cs., same basis.....lb. .07½- —
pkgs, (16 oz.), same basis. lb. .08 - —
(12 oz.), same basis..pkg. .06½- —
chipped, crushed, bbls., same basis..lb. .06¼- —
rice, cryst., powd., bbls., same basis..lb. .07¼- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .37½
Chloride, bbls.....lb. .18 - .19¼
kgs. .....lb. .21 - .22
Oxide, black, bbls.....lb. .35 - .38
Salt, double, bbls.....lb. .13 - .13¼
single, bbls.....lb. .13 - .13¼
Nicotine sulphate, 40%, dms., works, frt. alld.lb. .76 - —
10-lb. tins.....lb. .86½- —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., l.c.l..lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07½- —
Nitrocellulose, alcohol-soluble, ⅛, and 40, sec. vis., bbls., works..lb. .28 - —
bronzing, 30, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester-soluble, ¼, ½, 5-6, 15-20 sec. and higher vis., bbls., works..lb. .26 - —
Nitrocellulose, lacquer, 20-30 and 60-80 sec. vis., bbls., works..lb. .20 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable. A contract price of 25c. is standard for consumers of 10,000 pounds of nitrocellulose a year.

Nitrogen solution, 45½% ammon., tanks, f.o.b. Atlantic and Gulf ports Jan.-June unit-ton. 1.04 - —
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis., Jan.-Apr. shipt...unit-ton. 3.50 - —
Chemical, Ill..unit-ton. 3.50 Nom.
East Coast producing points..unit-ton. 3.60 Nom.
Import., bgs., c.i.f. Atlantic ports, shipt..unit-ton. No Prices
Nitronaphthalene, bbls.....lb. .24 - .26
Nitrotoluene, mixed, dms.....lb. .10½- .11
Nutgalls, Aleppo, bgs., cs.....lb. .20 - .22
Chinese, shipmmt., cs.....lb. .20 - .23
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs.....lb. .19½- .19¾
110s, 80s, bgs., cs.....lb. .17 - .17½
West Indian, bgs.....lb. .15½- .16
Nux vomica, bls.....lb. .06 - .07
powd., bbls., bxs.....lb. .06½- .07

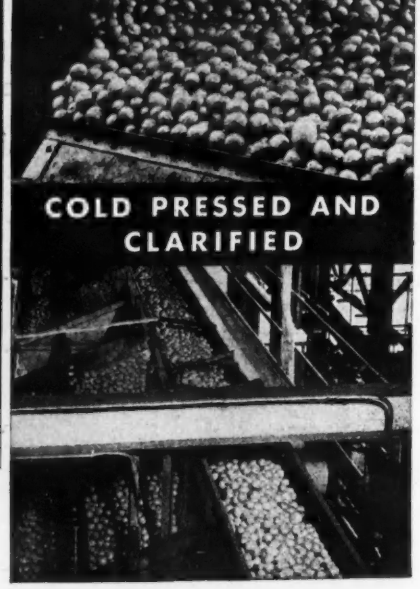
O

Oakbark extract, 25% tan., bbls. lb. .03½- —
tanks .....lb. .02¾- —
Ocher (see Yellow).
Octanes, 100-140° C., mixed, dms., c.l., G.3 .gal. .11 - —
l.c.l., G.3.....gal. .15 - —
tanks, G.3 .....gal. .08½- —
Octyl acetate, dms., c.l.,works.lb. .16 - —
l.c.l., works.....lb. .17 - —
small lots, works.....lb. .20 - —
tanks, works .....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots..... lb. 2.75 - 3.00
a.p.a., bots..... lb. 3.00 - 3.25
sweet, true, exp., cns.....lb. .75 - .76
Amber, crude, cns.....lb. .20 - .21
refd., cns.....lb. .52 - .53
Amyris, cns.....lb. 2.70 - 2.75
Angelica root, bots.....lb.64.00 -75.00
Seed, bots..... lb.72.00 -80.00
Anilin (see A)
Anise, USP, cns., dms.....lb. .87 - .92
Apricot kernel, cns.....lb. .30 - .31
dms. .....lb. .28 - —
Babassu, tanks, futures.....lb. .10½- —
Bay, W. I., cns.....lb. 1.30 - 1.50
Bergamot, artif. cns.... lb. 1.00 - 1.20
natural, coppers.....lb. 3.50 - 4.00
Betula (see Oil, sweet birch)
Birch (see Oil, sweet birch)
Birch tar, crude, dms..... lb. .14 - .17
rectifd., cns.....lb. .70 - .75
Bois de rose, Brazil, cns...lb. 1.25 - 1.35
Cayenne, cns..... lb. 2.75 - 3.00
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. .42 - .45
USP IX, cns.....lb. .45 - .47
Calamus, cns..... lb. 3.50 - 3.75
Camphor, sassafrassy, cns..lb. .19 - .20
dms. .....lb. .16 - .17
white, cns. .....lb. .21 - .22
dms. .....lb. .18 - .19
Cananga, native, cns..... lb. 1.75 - 2.25
rectified, cns..... lb. 3.00 - 3.85
Capsicum (oleoresin), USP VIII, cns..lb. 2.00 - 2.25
Caraway, USP, cns..... lb. 2.10 - 2.25
Cardamom, bots..... lb.15.00 -22.00
Cassia, USP, cns., dms.....lb. 1.00 - 1.05
Castor, blown, one-way dms., c.l lb. 12¼- —
l.c.l. .....lb. .13 - —
medicinal, bbls, c.l.....lb. .10¾- —
l.c.l. .....lb. .11¼- —
cns. (1-gal.), l.c.l..... lb. 14½- —
dms. (returnable), c.l. lb. .10¾- —
l.c.l. ..... lb .11¼- —
(5-gal.), l.c.l..... lb. .12⅝- —
tanks ..... lb. .10 - —
No. 3, bbls., c.l..... lb. .10¾- —
l.c.l. ..... lb. .11 - —
dms. (returnable), c.l. lb. .10 - —
l.c.l. ..... lb. .10¾- —
tanks ..... lb. .09½- —

Castor oil, med. and No. 3, prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c higher than N. Y.; l.c.l. prices, ¾c. higher than N. Y.; one-way dms., ¼c. higher, all points.

sulphonated, 50% (48% fat), dms., c.l..lb. .08 - —
l.c.l. .....lb. .08½- —
75% (63% fat), dms., c.l..lb. .11½- —
l.c.l. .....lb. .12 - —
80% (68% fat), dms., c.l..lb. .12½- —
l.c.l. .....lb. .13 - —
Cedarleaf, cns.....lb. 1.00 - 1.05
dms. .....lb. .95 - 1.00
Cedarwood, Oregon, cns., dms., lb. .28 - .30
Southern, cns., dms.....lb. .22 - .25
Celery, bots.....lb.10.50 -12.50
Chaulmoogra, USP, cns.. 500 lbs..lb. .90 - —
25 lbs..... lb. 1.00 - —
Chinawood, dms., Atlantic Cst. lb. .15¼- .15½
tanks, futures.....lb. .1430- .1450
Cinnamon, Ceylon, bots.....lb. 9.00 -22.00
Seychelle, bots.....lb. 6.50 - 7.50
Citronella, Ceylon, cns.....lb. .48 - .56
dms. .....lb. .46 - .54
Java, dms.....lb. .47 - .50
Clove, makers, USP, cns.....lb. 1.17 - —
dms. .....lb. 1.15 - —
Coconut, Manila, crude, tanks. lb. .08¾- —
futures .....lb. .08¼- .08½
Pac. Cst.....lb. .07¾Nom.
edible, 76°, tax incl., dms., (returnable), c.l..lb. .14¼- —
l.c.l. .....lb. .15 - —
tanks .....lb. .14 - —
Cod, Newfoundland, tanked, bbls..gal. .51 Nom.
Norwegian, bbls.....gal. .42 - .46
Codliver, med., Norwegian, bbls..bbl.27.00 -28.00
poultry, USP, bbls.....gal. .82 - .85
Coriander, bots.....lb. No stocks
Corn, crude, tanks, works...lb. .10½Nom.
refd., bbls.....lb. .13 Nom.
Cottonseed, dom., cooking, bbls. 100 lbs.12.87½- —
salad, bbls.....100 lbs.13.00 - —
import., Brazilian semi-refd., dms..lb. .0775- —
British, semi-refd., dms..lb. .0800- —
Cresote (see C).
Croton, USP cns..... lb. 1.30 - 1.35
Cubeb, USP, cns.....lb. 2.85 - 3.25
Crude (see Petroleum, crude).
Cumin, bots. ..... lb. 8.50 -10.00
Cypress, cns. .....lb.12.00 - —
Degras (see D).

A U.S.P. OIL FOR THE AMERICAN TASTE



NO WONDER IT'S THREE TIMES AS POPULAR AS ALL OTHER LEMON OILS COMBINED

HIGH quality and right price have made Exchange Brand Oil of Lemon, U. S. P., the unquestioned leader in the United States.

It is made in the world's largest plant devoted exclusively to lemon products. Nowhere else are there the facilities to keep production quality so uniform. Nowhere else has the American taste been so successfully met.

Be sure to specify it by name: Exchange Brand Oil of Lemon, U.S.P. (Clarified).

Sold to the American market exclusively by
FRITZSCHE BROTHERS, INC. 76 NINTH AVENUE, NEW YORK, N. Y.
DODGE & OLCOTT COMPANY 180 VARICK STREET, NEW YORK, N.Y.
Distributors for
CALIFORNIA FRUIT GROWERS EXCHANGE
Products Department, Ontario, California
Producing Plant: EXCHANGE LEMON PRODUCTS COMPANY
Corona, California

Exchange X BRAND OIL OF LEMON U.S.P.

Copr., 1936, California Fruit Growers Exchange, Products Dept.

Oil, diesel, Bayonne, bulk	bbl.	1.85 -	—
California, 27 plus, bulk	**bbl.**	**1.00 -**	**1.35**
Dill seed, bots	**lb.**	**3.15 -**	**3.50**
Weed, bots	**lb.**	**5.00 -**	**5.50**
Dip (See D).			
Erigeron, cns	lb.	1.45 -	1.55
Eucalyptus, cns	**lb.**	**.48 -**	**.49**
dms	lb.	.46 -	.47
Fennel, sweet, cns	lb.	1.05 -	1.10
Fuel, bunker, California, tide-water	bbl.	.85 -	.95
Gulf Coast	bbl.	1.00 -	1.05
Louisiana-Arkansas, 10-14, bbl.		.65 -	.75
N. Y. and N. J. terminals:—			
Monday	bbl.	1.20 -	—
Tuesday	bbl.	1.20 -	—
Wednesday	bbl.	1.20 -	—
Thursday	bbl.	1.20 -	—
Friday	**bbl.**	1.20 -	—
Saturday	bbl.	1.20 -	—
North Texas, 18-22	bbl.	.80 -	.85
24-28, zero cold test	bbl.	.95 -	1.05
Oklahoma, 18-22	bbl.	.82½-	.90
24-28, zero cold test	bbl.	1.00 -	1.05
24-28, 15 and above	bbl.	.80 -	.87½
Pennsylvania, 36-40	gal.	.04⅝-	.04½
Furnace, Bayonne, 1, bulk, refinery	gal.	.04¾-	.05
2, bulk, same basis	gal.	.04½-	—
3, bulk, same basis	gal.	.04½-	—
4, bulk, same basis	gal.	.04¼-	—
Louisiana - Arkansas, 32-36, light straw	gal.	.03⅞-	.04
Oklahoma, 28-30	gal.	.03 -	.03⅝
32-36	gal.	.03½-	.03¾
36-38	gal.	.03¾-	.03⅞
38-40, straw	gal.	.03⅞-	.04
38-40, zero, 60 e.p.	gal.	.04 -	.04¼
Fusel (see F).			
Gas, Bayonne, bulk	gal.	.04¾-	—
Gulf Coast, bulk	gal.	.03½-	.03⅝
North Texas, bulk	gal.	.02⅝-	.03
Oklahoma, bulk	gal.	.02⅝-	.03⅛
Gaultheria (see Oil, wintergreen leaf).			
Geranium, Algerian, rose, cns.	lb.	4.85 -	5.50
Bourbon, cns	lb.	4.60 -	5.15
Turkish (see Palmarosa).			
Grapefruit, cns	llb.	2.25 -	2.50
Ginger, dist., bots	**lb.**	**6.25 -**	**7.25**
Guaiac wood, concrete, bots	**lb.**	**3.10 -**	**3.15**
Haarlem, dom., bots	**gross**	**3.25 -**	**3.35**
import, bots	**gross**	**3.40 -**	**3.50**
Halibut-liver, dms, 1,000 A unit-gal.		**.75 -**	**1.00**
Hemlock, cns	**lb.**	**1.05 -**	**1.10**
Juniper berry, USP, cns	**lb.**	**1.00 -**	**2.00**
Wood, tech., cns	**lb.**	**.45 -**	—
Juniper tar, U.S.P.XI, 1,000 lb. dms	**lb.**	**.35 -**	**.50**
cns	**lb.**	**.38 -**	**.53**
Lard, common, 1, bbls	**100 lbs.**	**12.75 -**	—
2, bbls	**100 lbs.**	**12.50 -**	—
extra, bbls	**100 lbs.**	**13.50 -**	—
1, bbls	**100 lbs.**	**13.00 -**	—
headlight, burning bbls	**100 lbs.**	**14.75 -**	—
prime, ed., bbls	**100 lbs.**	**16.75 -**	—
ined, bbls	**100 lbs.**	**14.75 -**	—
winter, strained, extra bbls., 100 lbs.		**13.75 -**	—
prime, bbls	**100 lbs.**	**14.00 -**	—
Lavandin, cns., 25 lbs	lb.	2.65 -	—
Lavender flowers, French, cns	**lb.**	**2.25 -**	**6.00**
Garden, cns	lb.	.42 -	.45
Spike, Spanish, tech., cns	**lb.**	**1.05 -**	**1.10**
dms	**lb.**	**.95 -**	**1.10**
Lemon, Calif., cns	**lb.**	**3.50 -**	—
Messina, coppers, cns	**lb.**	**4.00 -**	**4.50**
Lemongrass, native, cns., dms.	**lb.**	**.57 -**	**.62**
Lime, dist., cns	**lb.**	**5.45 -**	**6.00**
expressed, cns	**lb.**	**9.35 -**	**10.25**
Linaloe wood, cns	**lb.**	**1.15 -**	**1.20**
Linseed, boiled, bbls., c.l.	lb.	.1030-	.1050
l.c.l., 5 or more	lb.	.1070-	.1090
less than 5	lb.	.1110-	.1130
tanks	lb.	.0970-	.0990
double boiled, bbls., less than 5	**lb.**	.1130-	.1150
raw, bbls., c.l.	lb.	.0990-	.1010
l.c.l., 5 or more	lb.	.1030-	.1050
less than 5	lb.	.1070-	.1090
tanks	lb.	.0930-	.0950
Lovage, bots	**lb.**	**46.00**	**-55.00**
Lubricating, at refinery (including U.S. tax 4c. per gal.):— California, green, 70 vis., tanks	**gal.**	**.21½-**	—
80, 100 vis., tanks	**gal.**	**.24½-**	—
115, 125 vis., tanks	**gal.**	**.26½-**	—
green, pale, 750, 900 vis., tanks	**gal.**	**.21½-**	—
green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis., tanks	**gal.**	**.21½-**	—
pale, red, 100, 140, 1,000 vis., tanks	**gal.**	**.21½-**	—
pale, 75, 175 vis. tanks	**gal.**	**.21½-**	—
Oklahoma, bright stocks, 100-110 D, 0-10 pour tanks	**gal.**	**.19¼-**	—
15-25 pour, tanks	**gal.**	.19 -	—
150-160 D, 0-10 pour tanks	**gal.**	.21 -	—
15-25 pour, tanks	**gal.**	**.20¼-**	—
150-160 E, 15-25, pour, tanks	**gal.**	.20 -	—
190-200 D, 15-25 pour, tanks	**gal.**	.24 -	—
200-210 E, 15-25 pour, tanks	**gal.**	.23 -	—
neutrals, 0-10 pour, 150 vis., 3 color, tanks	**gal.**	**.12½-**	—
180 vis., 3 colors, tanks, gal.		**.13½-**	—
4 color, tanks	**gal.**	**.13 -**	—
200 vis., 3 color, tanks, gal.		.14 -	—
4 color, tanks	**gal.**	**.13½-**	—
250 vis., 3 color, tanks, gal.		.15 -	—
4 color, tanks	**gal.**	**.14½-**	—
280 vis., 3 color, tanks, gal.		.16 -	—
4 color, tanks	**gal.**	**.15½-**	—
300 vis., 8½, color tanks	**gal.**	**.16½-**	—
350 vis., same basis, gal.		.17 -	—
400 vis., same basis, gal.		**.17½-**	—
500 vis., same basis, gal.		.18 -	—
600 vis., same basis, gal.		**.18½-**	—
15-25 pour prices are ½c. per gallon higher than zero to 10° pour.			
Penna., bright., 600 cold test, 10-40 pour, tanks	gal.	.26 -	—
10-15 pour, tanks	gal.	.27 -	—
cylinder, 600 fire, tanks,	gal.	.18½-	—
600 flash, tanks	gal.	.21 -	—
630 flash, tanks	gal.	.22 -	—
635 fire, tanks	gal.	.19½-	—
650 fire, tanks	gal.	.20 -	—
Warren, E, amber, tanks,	gal.	.21 -	—
neutral, 150 vis.	**3 color, tanks**	**gal.**	**.23½-**	—
180 vis., 3 color, tanks	gal.	.26 -	—
200 vis., 2 color, tanks	gal.	.27 -	—

Oil, lubricating, spot, Penna. bright, bbls., c.l., f.a.s.	gal.	.33½-	—
unfiltered, 600 s.r., bbls., f.a.s.	gal.	.25 -	—
600 flash, s.r., bbl., c.l., gal.		**.27 -**	—
650 s.r., bbls., c.l., f.a.s.	gal.	.26½-	—
Warren, E, bbls., c.l., f.a.s.	gal.	.27½-	—
smaller lots, f.o.b.	**gal.**	**.30½-**	—
Mace, dist., cns	lb.	1.15 -	1.20
Menhaden, crude, tanks, f.o.b. Balto.	gal.	.37 -	—
refd., alkali, dms., c.l.	lb.	.0940-	—
l.c.l.	lb.	.0940-	—
tanks	lb.	.0880-	—
blown, dms	lb.	.0920-	—
kettle-bodied, dms	lb.	.1040-	—
light pressed, dms., c.l.	lb.	.0880-	—
l.c.l.	lb.	.0880-	—
tanks	lb.	.0820-	—
Mineral, white (see Oil, white mineral)			
Mustard, artif., USP., bots.	lb.	1.85 -	1.90
dist., natural, bots	lb.	8.50 -	9.00
expressed, bbls	gal.	.85 -	.90
Neatsfoot, cold test, bbls, 100 lbs.		17.50 -	—
extra, bbls	**100 lbs.**	**13.25 -**	—
1, bbls	**100 lbs.**	**12.00 -**	—
pure, bbls	100 lbs.	14.25 -	—
Special, bbls	100 lbs.	13.75 -	—
sulphonated, common, 25% **moisture, dms**	**lb.**	**.10¼-**	—
Neroli, bots	lb.	50.00	-130.00
Nutmeg, USP, cns	lb.	1.15 -	1.20
Oiticica, dms	lb.	.11¾-	.12
Oleo, 1, bbls	100 lbs.	14.00 -	—
2, bbls	100 lbs.	13.50 -	—
Olibanum, bots	lb.	5.00 -	5.25
Olive, denat., bbls	gal.	1.65	Nom.
edible, bbls	gal.	2.20	Nom.
foots, bbls	lb.	.13	Nom.
sulphonated, 50% (43% fat), dms., c.l.	lb.	.12 -	—
l.c.l.	lb.	.12½-	—
75% (63% fat), dms., c.l.	lb.	.15½-	—
l.c.l.	lb.	.16 -	—
80% (69% fat), dms., c.l.	lb.	.16½-	—
l.c.l.	lb.	.17 -	—
Orange, sweet, dist., cans	lb.	.90 -	—
expressed, African, cns., dms	lb.	1.20 -	1.25
Calif., cns., makers	lb.	3.25 -	—
resale	lb.	3.40 -	—
Florida, cns	lb.	No prices	
Messina, USP, coppers	lb.	4.00 -	4.50
Spanish, cns	lb.	2.50 -	2.75
West India, cns	lb.	2.10 -	2.20
Origanum, Spanish, cns	lb.	.90 -	1.60
Orris, Florentine, concrete, extra strong, bots	oz.	5.25 -	5.50
Palm, Niger, cks	lb.	.06¾	Nom.
shipment	lb.	.0650-	—
softs, 12½%, bulk, shipt	lb.	.0675-	—
20%, bulk, shipt	lb.	.0565-	—
Sumatra, shipment, bulk	lb.	.06	Nom.
Palmarosa, cns	lb.	2.25 -	2.50
Palmkernel, bulk, shipt	lb.	.0730-	—
Paraffin, 320° flash, 60-70 vis., tanks, G. S.	**gal.**	**.06¼-**	—
330° flash, 70-80 vis., tanks, G. S.	**gal.**	**.06½-**	—
80-85 vis., bbls. extra, Ind. refy.	**gal.**	**.13 -**	—
350° flash, 100-105 vis., bbls. extra, Ind. refy.	**gal.**	**.14 -**	—
360° flash, 100-110 vis., tanks, G. S.	**gal.**	**.06¾-**	—
Patchouli, bots	**lb.**	**5.00 -**	**6.00**
Peanut, crude, dom., tanks, works	**lb.**	.10¼	Nom.
refd., edible, bbls	**lb.**	.13½	Nom.
Oriental, crude, bulk shipt.	lb.	.0700	Nom.
Pennyroyal, dom., cns	lb.	1.75 -	1.85
import, cans	lb.	1.60 -	1.65
Peppermint, natural, cans, dms.	lb.	2.25 -	2.50
redist., USP, cns, dms	**lb.**	**2.50 -**	**2.75**
Perilla, dms	lb.	.11½-	.11¾
tanks	lb.	.11 -	.11¼
Petitgrain, Paraguay, cns	**lb.**	**1.05 -**	**1.10**
Pimento berry, cns	lb.	6.50 -	3.75
Leaf, cns	lb.	2.40 -	2.50
Pine, dest.-dist., straw-color, dms., dlvd., E. ports	**gal.**	**.49 -**	**.50**
steam-dist., straw-color, bbls.	**gal.**	**.59 -**	—
tanks	**gal.**	**.54 -**	—
water-white, bbls	**gal.**	**.64 -**	—
tanks	**gal.**	**.59 -**	—
Pineneedle, Siberian, cns	**lb.**	**.85 -**	**.90**
Putty, bbls, El Segundo, Richmond, Cal.	**gal.**	**.23½-**	—
contracts	**gal.**	**.19½-**	—
Whiting, Ind	**gal.**	**.25 -**	—
dms., c.l., Boat., Provid	**gal.**	**.25½-**	—
l.c.l., same basis	**gal.**	**.27 -**	—
tanks, same basis	**gal.**	**.18 -**	—
Martinez, Cal	**gal.**	**.28 -**	—
Rapeseed, blown, bbls	lb.	.13¼-	.13⅛
denat., bbls	gal.	.85 -	.86
Red, dist. or saponif., bbls., dlvd.	lb.	.11⅝-	.12⅝
dms, dlvd	lb.	.11½-	.12½
tanks, dlvd	lb.	.10⅜-	—
white, dms	lb.	.13½-	.14⅛
Rose, artif., bots	**oz.**	**2.00 -**	**3.00**
natural, coppers	**oz.**	**5.25 -**	**22.50**
Rosemary, Spanish, cns	lb.	.60 -	.65
dms	lb.	.55 -	.60
Rosin, 1st rectfd., dms	gal.	.71 -	.73
2d rectfd., dms	gal.	.73 -	.75
3d rectfd., dms	gal.	.77 -	.79
Rue, bots	lb.	2.15 -	2.20
Sage, cns	lb.	1.65 -	1.70
Sandalwood, Australia, cns	**lb.**	**4.50 -**	**5.00**
E.I., USP, cns	**lb.**	**4.80 -**	**5.50**
Sardine, crude, tanks, Pac. Cst.	gal.	.50 -	—
rfd., alkali, dms., c.l.	lb.	.0940-	—
l.c.l.	lb.	.0940-	—
tanks	lb.	.0880-	—
kettle-boiled, dms	lb.	.1040-	—
light, pressed, dms., c.l.	lb.	.0880-	—
l.c.l.	lb.	.0880-	—
tanks	lb.	.0820-	—
poultry feed, dms., Pac. Cst.,	gal.	.50	Nom.
Sassafras, artif., cns	lb.	.35 -	.37
dms	lb.	.32 -	.34
natural, cns., dms	lb.	.75 -	1.25
Savin, cns	lb.	1.70 -	1.75
Savory, cns	lb.	3.50 -	3.75
Sesame, dom., refd., white, dms.	lb.	.13¼	Nom.
yellow, dms	lb.	.13¼	Nom.
Single stain, bbls., c.l., works	gal.	.17½-	—
l.c.l., works	gal.	.20 -	—
tanks, works	gal.	.14½-	—
Snakeroot, Canada, cns	lb.	11.00	-12.00
Soybean, dom., crude, dms	lb.	.1150-	—
tanks	lb.	.1050-	Nom.
refd., dms	lb.	.12 -	.12½
tanks	lb.	.11½-	Nom.
Spearmint, USP, cns	lb.	1.75 -	2.00
Sperm, bleach, 38°, dms	lb.	.1000-	.1020
45°, dms	lb.	.0930-	.0950
natural, dms	lb.	.0880-	.0900
Spruce, cans	lb.	1.05 -	1.10
Sunflower seed, refd., dms	lb.	.12¼	Nom.

Oil, sweet birch, North, cns	lb.	3.60 -	3.75
South., cns	**lb.**	**1.90 -**	**2.10**
Tallow, acidless, bbls	100 lbs.	12.62½-	—
tanks	100 lbs.	12.12½-	—
Tansy, cns	lb.	3.25 -	3.50
Tar, comm., dms., c.l., dlvd. E. cities	**gal.**	**.26 -**	—
E. ports	**gal.**	**.25 -**	—
l.c.l.	gal.	.26 -	—
tanks, dlvd. E. cities	**gal.**	**.20 -**	—
rectfd., USP, bbls., dlvd. E. ports	**gal.**	**.50 -**	—
Tar acid (see T)			
Teaseed, dms	lb.	.14½	Nom.
Thyme, NF, red, dms	**lb.**	**.85 -**	**1.25**
white, dms	**lb.**	**.80 -**	**1.35**
Tung (see Oil, chinawood).			
Turkey red (see Oil, castor, sulphonated).			
Turpentine (see T).			
Turtle, cns	**gal.**	**4.00 -**	**5.00**
Valerian, bots	**lb.**	**13.50 -**	**14.00**
Vetiver, Bourb., bots	**lb.**	**8.00 -**	**18.00**
Walnut, crude, dms	lb.	.14 -	.14¼
refd., dms	lb.	.15 -	.15¼
Whale, refd., natural, dms	lb.	.1010-	.1030
winter, bleach, dms	lb.	.1050-	.1070
Wheat germ, cns., dms	**gal.**	**27.50**	**-30.00**
White mineral, dom., tech., 50-60 vis., dms	**gal.**	**.42 -**	**.44**
65-75 vis., dms	**gal.**	**.44 -**	**.46**
80-90 vis., dms	**gal.**	**.45 -**	**.47**
U.S.P., 80-90 vis., dms	**gal.**	**.54 -**	**.56**
95-105 vis., dms	**gal.**	**.62 -**	**.65**
125-135 vis., dms	**gal.**	**.75½-**	**.77½**
140-150 vis., dms	**gal.**	**.76½-**	**.78½**
175-185 vis., dms	**gal.**	**.78½-**	**.80½**
200-210 vis., dms	**gal.**	**.80 -**	**.82**
320-330 vis., dms	**gal.**	**.95½-**	**.97½**
335-345 vis., dms	**gal.**	**.97 -**	**.99**
Russian, 75-85 vis., dms	gal.	.52 -	—
145-155 vis., dms	gal.	.74½-	—
185-190 vis., dms	gal.	.76½-	—
275-285 vis., dms	gal.	.89 -	—
335-345 vis., dms	gal.	.95 -	—
Wintergreen, natural, North, cns	**lb.**	**4.00 -**	**5.00**
South, cns	**lb.**	**3.35 -**	**3.75**
synth. (see Methyl salicylate).			
Wood (see Oil, chinawood).			
Wormseed, cns	lb.	2.50 -	2.60
Wormwood, cns	**lb.**	**3.00 -**	**3.25**
Ylang-ylang, Bourb., bots., cns	**lb.**	**3.50 -**	**6.00**
Manila, bots	**lb.**	**20.00**	**-30.00**
Opium, USP, cns	**lb.**	**11.50**	**-12.50**
gran., cns	**lb.**	**12.50**	**-13.50**
powd., cns	**lb.**	**12.50**	**-13.50**
Orange, chrome (see Yellow, chrome).			
Lake, Persian, bbls	**lb.**	**.30 -**	**.45**
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash	**lb.**	**.11½-**	—
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash	**lb.**	**.12 -**	—
Colo., Mont., N. M., Wyo	**lb.**	**.11¾-**	—
Other points	**lb.**	**.11¼-**	—
smaller lots, dlvd. Ala., etc	**lb.**	**.12 -**	—
Ariz., etc	**lb.**	**.12½-**	—
Colo., Mont., N. M., Wyo	**lb.**	**.12¼-**	—
Other points	**lb.**	**.11¾-**	—
French, Tours, cks., ex-dock	**lb.**	**.17 -**	—
kgs., ex dock	**lb.**	**.18½-**	—
Peel, bitter, bls	**lb.**	**.08 -**	**.09**
Sweet, bls	**lb.**	**.12 -**	**.13**
Toner bbls	**lb.**	**.60 -**	—
Orangeflower petals, cs	**lb.**	**.85 -**	**.86**
Orris root, Florentine, bgs	**lb.**	**.08 -**	**.09**
fingers, cs	**lb.**	**.95 -**	**1.00**
powd., bbls., bxs	**lb.**	**.12 -**	**.15**
Verona, bls	**lb.**	**.08 -**	**.09**
powd., bxs, cs	**lb.**	**.11 -**	**.12**
Orthoanisidin, bbls	lb.	.70 -	.74
Orthochloroaniliin, dms	**lb.**	**.60 -**	**.75**
Orthochlorophenol, dms	**lb.**	**.55 -**	**.75**
Orthocresol, dms., c.l., works	**lb.**	**.13½-**	—
l.c.l., same basis	**lb.**	**.14½-**	—
Orthodichlorobenzene, dms, c.l., works, frt equal	lb.	.05 -	—
l.c.l., dms, same basis	lb.	.06 -	—
100 lb. tins, same basis	lb.	.07 -	—
50 lb. tins, same basis	lb.	.08 -	—
tanks, same basis	lb.	.04½-	—
Othonitroaniliin, dms	lb.	.55 -	—
Orthonitrochlorobenzene, kgs	**lb.**	**.28 -**	**.29**
Orthonitroparachlorophenol, cns	**lb.**	**.70 -**	**.75**
Orthonitrophenol, kgs	**lb.**	**.85 -**	**.90**
Orthonitrotoluene, dms	lb.	.07 -	—
Orthotoluene sulphonate, kgs	**lb.**	**2.00 -**	**2.05**
Orthotoluidin, dms	lb.	.14 -	—
Osage orange extract, cryst., bbls.	**lb.**	**.17 -**	**.19**
liquid, 51°, bbls	**lb.**	**.07 -**	**.08**
Oxyquinolin sulphate, cns., 100-lbs., works	**lb.**	**3.50 -**	—
bots., cns., 1-50 lbs	**lb.**	**3.65 -**	**4.00**

P

Papain, powd., cs	lb.	1.00 -	1.05
Paprika, Hungarian, bgs	lb.	.21½-	.23
Spanish, extra fancy, cs	**lb.**	**.27 -**	**.29**
fair, bgs	**lb.**	**.21½-**	**.22**
fancy, bgs	**lb.**	**.23 -**	**.23½**
medium, bgs	**lb.**	**.22 -**	**.22½**
Para-aminoacetanilide, kgs	**lb.**	**.85**	**Nom.**
Para-aminophenol, bgs., bbls	**lb.**	**1.05 -**	—
Hydrochloride, bbls	lb.	1.25 -	—
Para-amylphenol, tertiary, dms., c.l., works	**lb.**	**.26 -**	—
Parachlorophenol, dms	**lb.**	**.30 -**	**.45**
Paracymene, rfd., dms	**gal.**	**.75 -**	**1.25**
Paradichlorobenzene, dms	**lb.**	**.16 -**	**.20**
bags	**lb.**	**.18 -**	**.25**
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy.	lb.	.02¾-	.02¼
bbls., c.l., N. Y.	lb.	.0265-	.0270
124-126 A.m.p., bgs., c.l., Okla. refy.	lb.	.02¼-	.02¾
bbls., c.l., N. Y.	lb.	.0270-	.02¾
yellow, 124-126 A.m.p., bbls., c.l., N. Y.	lb.	.02¼-	Nom.
fully refd., slabs, 120-122 A.m.p., bgs., c.l.	lb.	No prices	
123-125 A.m.p., bgs., c.l.	lb.	.0445-	—
export, f.a.s., N. Y.	lb.	.0440-	—
125-127 A.m.p., bgs., c.l.	lb.	.0455-	—
export, f.a.s., N. Y.	lb.	.04½-	—
128-130 A.m.p., bgs., c.l.	lb.	.0480-	—
export, f.a.s. N. Y.	lb.	.04¾-	—
130-132 A.m.p., bgs., c.l.	lb.	.0495-	—
export, f.a.s., N. Y.	lb.	.0490-	—
133-135 A.m.p., bgs., c.l.	lb.	.0555-	—
export, f.a.s., N. Y.	lb.	.05¼-	—
135-137 A.m.p., bgs., c.l.	lb.	.0580-	—
export, f.a.s., N. Y.	lb.	.05¾-	—
138-140 A.m.p., bgs., c.l.	lb.	.0635-	—
143-145 A.m.p., bgs., c.l.	lb.	.0790-	—
refined paraffin prices in cases are ½c. lb. higher than bags price			
Match, A.m.p. up to and incl. 110-112 bbls., c.l.	lb.	.03 -	—
semirfd., solid, 122-124 A.m.p., bgs.	lb.	02¾-	Nom.

Oil, Diesel—Petrol, Crude

Paraformaldehyde, dms., 1,000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C.	lb.	.34 -	—
100 to 900 lb. shipments, same basis	lb.	.35 -	—
Paraldehyde, tech., dms., wks.	lb.	.16 -	.18
USP. chys	lb.	.37 -	.45
Paranitroaniliin, kgs., c.l., works.	lb.	.45 -	—
l.c.l., kgs., works	lb.	.47 -	—
Paranitrochlorobenzene, kgs.	lb.	.23½-	.24
Paranitrophenol, kgs	lb.	.35 -	.37
Paranitrotoluene, kgs	lb.	.25 -	—
Paraphenylenediamine, bbls	lb.	1.25 -	1.30
Paratoluenesulphonamide, bbls.	lb.	.70 -	.75
Paratoluidin, bbls	lb.	.56 -	—
Pareira brava root, bls	lb.	.16 -	.17
Paris green, dealer, dms., c.l., f.o.b. N. Y., frt. all'd E. of Cleve.	lb.	.22 -	.24
1,000 lbs. and up, same basis,	lb.	.23 -	.25
less than 1,000 lbs., same basis	lb.	.24 -	.26
Passion flower herb, bls	lb.	.06½-	.07
Patchouli leaves, bls	lb.	.15 -	.16
Pellitory root, bls	lb.	.16 -	.17
Pennyroyal, bls	lb.	.13 -	.14
Pentane, nom., 28-38°, dms., c.l., G.S.	gal.	.12½-	—
l.c.l., G.S.	gal.	.16 -	—
tanks, G.S.	gal.	.09½-	—
laboratory grade, dms., c.l., G.S.	gal.	.16 -	—
l.c.l., G.S.	gal.	.25 -	—
Pepper, black, Alleppy, bgs	lb.	.10½-	.11
Lampong, bgs	lb.	.06¼-	.06½
Tellicherry, bgs	lb.	.11¼-	.11⅝
Red, birdseye, bgs	lb.	.13½-	.14
new crop	lb.	No stocks.	
Japanese, 1, bgs	lb.	.12⅜-	.13¼
Mombassa, bgs	lb.	.16¼-	.16⅝
White, Java, Muntok, bgs	lb.	.11 -	.11½
Singapore, Muntok, bgs	lb.	.11½-	.11⅝
Peppermint leaves, dom., bls	lb.	.25 -	.26
import, bls	lb.	.35 -	.40
Peru balsam, dms	lb.	1.15 -	1.20
Petrolatum, amber, bbls., c.l.,	lb.	.02⅞-	.03
l.c.l.	lb.	.04 -	.04¼
extra, bbls	lb.	.03½-	.03⅞
l.c.l.	lb.	.04¼-	.04½
cream (see white, cream)			
green, dark, bbls., c.l	**lb.**	**.02½-**	**.02¾**
red, veterinary, bbls., c.l.	lb.	.02⅝-	.02⅞
l.c.l.	lb.	.03¼-	—
white, cream, bbls., c.l.	lb.	.05 -	.05½
l.c.l.	lb.	.06⅝-	—
lily, bbls., c.l.	lb.	.06 -	.06½
l.c.l.	lb.	.07⅝-	—
snow, bbls., c.l	**lb.**	**.07 -**	**.07¼**
l.c.l.	lb.	.08⅝-	—
Petroleum, crude, bulk, at wells:— California:—			
Alamitos Heights	bbl.	.74 -	.95
Athens	bbl.	.84 -	1.60
Belridge	bbl.	.70 -	1.32
Buena Vista Hills	bbl.	.70 -	1.35
Coalinga	bbl.	.70 -	.90
Coyote Hills (West)	bbl.	.78 -	1.32
Domingues	bbl.	.79 -	1.00
East Coyote	bbl.	.76 -	.96
Elk Hills	bbl.	.70 -	1.38
Elwood Terrace, f.o.b. ship.	bbl.	1.29 -	1.43
Huntington Beach	bbl.	.79 -	1.22
Inglewood	bbl.	.79 -	1.37
Kern Front	bbl.	.70 -	—
Kern River	bbls.	.70 -	—
Kettleman Hills	bbl.	1.19 -	1.43
La Habra	bbl.	.76 -	.96
Lakeview	bbl.	.70 -	1.39
Lost Hills	bbl.	.70 -	1.32
McKittrick	bbl.	.70 -	—
Midway - Sunset (except Lakeview)	bbl	.70 -	1.38
Montebello	bbl.	.77 -	1.43
Mt. Poso	bbl.	.70 -	—
Mountain View	bbl.	.70 -	1.20
Newhall	bbl.	.70 -	—
Olinda Brea	bbl.	.76 -	1.27
Orcutt	bbl.	.70 -	.98
Playa del Rey, f.o.b. pipeline	bbl.	.80 -	1.16
Richfield	bbl.	.76 -	1.09
Rosecrans	bbl.	.84 -	1.66
Round Mt.	bbl.	.70 -	—
Santa Fe Springs	bbl.	.78 -	1.42
Santa Paula	bbl.	.70 -	1.01
Seal Beach	bbl.	.79 -	1.19
Signal Hill	bbl.	.89 -	1.21
Torrence	bbl.	.80 -	1.05
Wheeler Ridge	bbl.	.70 -	.83
Whittier	bbl.	.76 -	.96
Canada:—			
Oil Springs	bbl.	2.17 -	—
Petrolia	bbl.	2.10 -	—
Central West:—			
Illinois	bbl.	1.35 -	—
Lima	bbl.	1.25 -	—
Midland (Mich.)	bbl.	1.42 -	—
Princeton	bbl.	1.35 -	—
East Texas	bbl.	1.27 -	—
Gulf Coast:—			
Barber's Hill	bbl.	.95 -	1.41
Batson	bbl.	.95 -	1.41
Dayton	bbl.	.95 -	1.41
Esperson	bbl.	.95 -	1.41
Goose Creek	bbl.	.95 -	1.41
Hull	bbl.	.95 -	1.41
Humble	bbl.	.90 -	1.41
Liberty	bbl.	.90 -	1.41
Markham	bbl.	.90 -	1.29
Orange	bbl.	.95 -	1.41
Pettus	bbl.	1.25 -	—
Pierce Junction	bbl.	.95 -	1.41
Refugio, heavy	bbl.	.90 -	—
light	bbl.	.92 -	1.22
Saratoga	bbl.	.95 -	1.41
Saxet	bbl.	.90 -	1.29
Sour Lake	bbl.	.90 -	1.41
Spindle Top	bbl.	.95 -	1.41
Sugarland	bbl.	.95 -	1.41
West Columbia	bbl.	.95 -	1.41
Kentucky, Tennessee:—			
Big Sandy river	bbl.	1.42 -	—
Kentucky river	bbl.	1.50 -	—
Western Kentucky (Owensboro)	bbl.	1.40 -	—
Louisiana, Arkansas:—			
Bull Bayou	bbl.	.90 -	1.22
Caddo	bbl.	.90 -	1.22
Cameron Meadows	bbl.	.90 -	1.20
Choctaw	bbl.	.90 -	1.30
Cotton Valley	bbl.	.90 -	1.22
Darrow	bbl.	.90 -	1.30
De Soto	bbl.	.90 -	1.22
El Dorado	bbl.	.90 -	1.22
Haynesville	bbl.	.90 -	1.22
Homer	bbl.	.90 -	1.22
Iowa	bbl.	.90 -	1.30
Lockport	bbl.	.90 -	1.30
Miller County	bbl.	.90 -	1.22
Pine Island	bbl.	.90 -	1.22
Rainbow	bbl.	.90 -	1.22
Rodessa	bbl.	.90 -	1.22
Smackover	bbl.	.90 -	—
Tonkawa	bbl.	1.24 -	—
Urania	**bbl.**	**1.02 -**	—

Petroleum, Crude—Quinidine

Petroleum, crude, bulk, at wells—
Mexico, f.o.b. terminals, Mexican ports—based on contract:—
Panuco .....bbl. 1.05 - —
Tax, 13.35c. per bbl.
Tuxpan .....bbl. No prices.
Tax, 21.815c. per bbl.
Midcontinent:—
North Texas.....bbl. .96 - 1.20
Oklahoma-Kansas .....bbl. .98 - 1.80
Altus, Tipton (Okla.), bbl. .96 - 1.20
Pennsylvania, Ohio, West Virginia:—
Bradford-Allegany ....bbl. 2.45 - —
Corning .....bbl. 1.42 - —
Pennsylvania grade, in Buckeye lines..bbl. 2.12 - —
Eureka lines.....bbl. 2.27 - —
S.W. Penn lines....bbl. 2.32 - —
lower district in National Transit lines.bbl. 2.52 - 2.57
Rocky Mountain:—
Big Muddy.....bbl. 1.18 - 1.23
Cannon City-Florence..bbl. 1.10 - —
Cat Creek.....bbl. 1.40 - —
Dutton Creek.....bbl. 1.06 - 1.30
Elk Basin.....bbl. 1.30 - —
Fort Collins-Wellington.... bbl. 1.01 - 1.25
Frannie, light.....bbl. .82 - —
Grass Creek.....bbl. 1.30 - —
Greybull .....bbl. 1.30 - —
Iles .....bbl. 1.12 - 1 18
Lance Creek.....bbl. .97 - —
Midway .....bbl. 1.06 - 1.30
Rock Creek.....bbl. 1.20½- —
Salt Creek.....bbl. 1.06 - 1.30
Sunburst .....bbl. 1.20 - —
Torchlight .....bbl. 1.30 - —
South, Central and Southwestern Texas:—
Cass County.....bbl. .98 - 1.25
Cleveland-Liberty ....bbl. 1.27 - —
Conroe .....bbl. 1.20 - 1.44
Darst Creek.....bbl. 1.09 - —
Duval .....bbl. 1.00 - —
Hardin-Liberty .....bbl. 1.15 - —
Luling .....bbl. 1.00 - —
Lytton Springs.....bbl. 1.12 - —
Mirando .....bbl. .90 - 1.36
Panola County.....bbl. .93 - 1.25
Tomball .....bbl. 1.20 - 1.44
Texas Panhandle:—
Carson-Hutchinson counties. bbl. .91 - 1.03
Gray County.....bbl. .96 - 1.08
West Texas:—
Artesia, N. M.....bbl. .90 - —
Crane .....bbl. .78 - 1.08
Crockett .....bbl. .75 - .90
Ector .....bbl. .75 - .90
Glasscock .....bbl. .78 - 1.08
Hobbs, N. M.....bbl. .65 - —
Hogback .....bbl. 1.33 - —
Howard .....bbl. .78 - 1.08
Jackson, N. M.....bbl. .90 - —
Lea, N. M.....bbl. .78 - 1.00
Maljamar, N. M.....bbl. .90 - —
Mitchell .....bbl. .78 - 1.08
Pecos .....bbl. .75 - .90
Upton .....bbl. .78 - 1.08
Winkler .....bbl. .78 - 1.00
ether, 30-60°, dms, c.l., G.3.gal. .15 - —
l.c.l., G.3.....gal. .17 - —
tanks, G.3.....gal. .13 - —
35-60°, dms., l.c.l., G.3...gal. .35 - —
40-75°, dms., c.l., G.3.....gal. .15 - —
l.c.l., G.3.....gal. .16 - —
tanks, G.3.....gal. .13 - —
laboratory grade, dms., c.l., G.3..gal. .16 - —
l.c.l., G.3.....gal. .25 - —
10-gal. lots, G.3.....gal. .50 - —
Lacquer, diluent, at refinery:—
California 60,169 l.b.p., 263 e.p., tanks, delvd. Los Angeles..gal. .11 - —
San Francisco..gal. .11½- —
f.o.b. Richmond..gal. .11½- —
Willbridge, Ore.; Pt. Wells, Wash..gal. .12 - —
East Coast, tanks.....gal. .12 - .12½
Group 3, tanks.....gal. .06⅞- .09
Naphtha, cleaners, at refinery:—
East Coast, tanks.....gal. .10 - —
Group 3, tanks.....gal. .07⅞- .08
tankwagon, Boston, ex-tax. gal. .13 - —
Chicago, inc. 3c. tax...gal. .155 - —
Decatur, inc. 3c. tax...gal. .179 - —
Des Moines, inc. 3c.tax.gal. .177 - —
Evansville, Ind.,ex tax.gal. .143 - .158
Milwaukee, inc. 4c. tax. gal. .192 - —
Minneapolis-St. Paul, inc. 3c. tax..gal. .183 - —
Newark, ex tax.....gal. .12 - —
New York, ex tax.....gal. .12 - —
Petroleum naphtha, cleaners, tankwagon (Continued):—
Omaha, ex tax.....gal. .149 - .159
Oklahoma City, ex tax.gal. .15 - .16
Philadelphia, ex tax...gal. .11¼- —
St. Louis, ex tax.....gal. .146 - .156
Syracuse, 150 gals.....gal. .14 - —
smaller lots, galv. drums. gal. .16 - —
milk cans.....gal. .21 - —
Tulsa, ex tax.....gal. .15 - .16
High solvency, aromatic, S, tanks, frt. alld. within 100 mi. radius of Paulsboro, N. J..gal. .17 - —
delivery beyond 100 mi., f.o.b. Paulsboro, frt. equald nearest comp. pt.....gal. .16¼- —
30, same basis.....gal. .18¼- .19
40, same basis.....gal. .14½- .15½
hydrogenated, 1, tanks, f.o.b. Bayway, frt. equaled. nearest comp. pt..gal. .16 - —
2, same basis.....gal. .18 - —
3, same basis.....gal. .16 - —
4, same basis.....gal. .18 - —
V.m. & p., at refinery:—
California, 46.6, 254 l.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond .....gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-57, 190 l.b.p., 310 e.p. tanks, delvd. Los Angeles..gal. .10 - —
San Francisco..gal. .10½- —
Portland, Seattle..gal. .11 - —
East Coast, tanks.....gal. .10½- —
Group 3, tanks.....gal. .07⅞- .08
tankwagon, Boston, ex tax. gal. .18 - —
Chicago, inc. 3c. tax..gal. .165 - —
Decatur, inc. 3c. tax..gal. .179 - —
Des Moines, inc.3c. tax.gal. .177 - —
Evansville, Ind.,ex tax.gal. .143 - .158
Milwaukee, inc. 4c.tax.gal. .192 - —
Minneapolis-St. Paul, inc. 3c. tax..gal. .183 - —
Newark, ex tax.....gal. .13 - —
New York, ex tax.....gal. .12 - —
Omaha, ex tax.....gal. .149 - .159
Philadelphia, ex tax...gal. .13 - —
St. Louis, ex tax.....gal. .146 - —
Solvent, rubber, at refinery, East Coast, tanks.....gal. .10 - —
Group 3, light, 120 l.b.p., 250 e.p., tanks..gal. .07⅞- .08
standard, 180 l.b.p., 288 e.p., tnks..gal. .07⅞- .08
Stoddard (CS 3-28), at refinery:—
East Coast, tanks.....gal. .10 - —
Group 3, tanks.....gal. .07⅞- .07½
tankwagon, Boston, ex tax. gal. .13½- —
Chicago, inc. 3c. tax..gal. .15 - —
Decatur, inc. 3c. tax..gal. .169 - —
Des Moines, inc.3c.tax.gal. .167 - —
Evansville, Ind.,ex tax.gal. .136 - .140
Milwaukee, inc. 4c.tax.gal. .163 - —
Minneapolis-St. Paul, inc. 4c. tax..gal. .164 - —
Newark, ex tax.....gal. .11 - —
New Orleans, ex tax..gal. .11 - —
New York, ex tax.....gal. .11 - —
Oklahoma City, ex tax.gal. .12 - .15
Omaha .....gal. .139 - .149
Philadelphia, ex tax...gal. .11¼- —
St. Louis, ex tax.....gal. .125 - —
Tulsa, ex tax.....gal. .10 - .11
Thinner, at refinery:—
California, 34, 325 l.b.p., 390 e.p., low anilin, tanks f.o.b. Los Angeles....gal. .14 - —
Portland, Ore.....gal. .15 - —
Richmond .....gal. .13½- —
Seattle, Wash.....gal. .15½- —
44, 311 l.b.p., 385 e.p., tanks, f.o.b. Point Wells, Wash.; Willbridge, Ore. gal. .10½- —
Richmond .....gal. .10 - —
Southern Calif...gal. .09½- —
56, 200 l.b.p., 300 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Portland, Ore.....gal. .12 - —
Richmond .....gal. .11½- —
Seattle, Wash....gal. .12 - —
East Coast, 43-47, tanks.gal. .09½- .10
47-49, tanks.....gal. .09½- —
Group 3, tanks.....gal. .06⅞- .07
Pennsylvania, tanks.....gal. .06⅝- —
tankwagon, tax included:—
Albany .....gal. .13 - —
Baltimore (100 gals.)..gal. .12½- .15½
25-99 gals.....gal. .13½- .15½
Boston .....gal. .12 - .13
Bridgeport, Conn.....gal. .13 - —
Buffalo .....gal. .12½- —
Camden, N. J.....gal. .115 - .135
Chicago .....gal. .162 - —
Petroleum thinner, tankwagon, tax included (Continued):—
Decatur, Ill.....gal. .169 - —
Des Moines.....gal. .167 - —
Evansville, Ind.....gal. .136 - .146
Milwaukee .....gal. .182 - —
Minneapolis-St. Paul..gal. .173 - —
Newark .....gal. .11 - .13
New York (200 gals.).gal. .11 - —
smaller lots.....gal. .11½- —
Omaha .....gal. .109 - .149
Philadelphia .....gal. .115 - .125
Pittsburgh .....gal. .12 - .14
Providence .....gal. .12 - .13
Rochester .....gal. .12 - .16
St. Louis.....gal. .136 - —
Syracuse .....gal. .13 - .15
Trenton .....gal. .11½- .13½
Wilmington, Del.....gal. .15 - —
contracts, 1,000 gals..gal. .13 - —
Phenobarbital, bots., 5 lbs....lb. 4.85 - —
bots. or cns., spot or contract, 100 lbs..lb. 4.50 - —
cns., 25 lbs.....lb. 4.75 - —
Phenol, USP, dms, c.l., works, frt. equald..lb. .13¼- .14¼
l.c.l., same basis.....lb. .14 - .15
tins, c.l., same basis.....lb. .14¼- .15¼
l.c.l., same basis.....lb. .15 - .16
tanks, works.....lb. .12⅝- —
Phenolphthalein, USP, bbls.,dms. 2,000 lbs..lb. .75 - —
bbls., dms., kegs, 100-250 lbs. lb. .77 - —
yellow, bbls.....lb. .70 - .72
Phenyl chloride, dms.....lb. .16 - —
Phenylacetadehyde, bots.....lb. 3.50 - 6.75
Phenylhydrazin hydrochloride,CP, bots., works..lb. 3.30 - 5.10
commercial, kgs., works...lb. 3.30 - 6.50
pure, bots., works.....lb. 2.95 - 3.25
Phlorogiucinol, CP, tins,works.lb.20.00 -22.00
tech., tins, works.....lb.15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. 4.35 - —
land pebble, 68% min., bulk, mines..long ton. 1.85 - —
70% min., bulk, mines... long ton. 2.35 - —
72% min., bulk, mines.... long ton. 2.85 - —
75% basis, 74% min., bulk, mines..long ton. 3.35 - —
Tenn., 72%, bulk, mines..... long ton. 4.50 - —
75%, bulk, mines...long ton. 5.50 - —
Phosphorus, red, cs.....lb. .40 - .44
Yellow, cs.....lb. .28 - .37½
Oxychloride, cyls.....lb. .16 - .20
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .16 - .20
Phthalic anhydride, dms., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .09 - .10
Pilocarpine hydrochloride, bots., vls..oz. 2.50 - 2.75
Nitrate, bots., vls.....oz. 2.40 - 2.65
Pimento, bgs.....lb. .15½- .15¾
Pinkroot, bls.....lb. .35 - .36
Pitch, Burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton.19.00 - —
l.c.l. .....ton.22.00 - —
Hardwood, 1-time, dm., c.l., dlvd. Akron..ton.20.00 -21.00
f.o.b. works.....ton.15.00 - —
dms.....lb. .04½- .05
Petroleum (see Asphaltum, Mexican, Texas).
Pine, bbls.....bbl. 3.00 - 6.50
Stearin, dms.....lb. .03 - .04½
Plaster of paris (see Gypsum).
Pleurisy root, bls.....lb. .12 - .13
Podophyllin, fib., dms., 100 lbs., lb. 3.25 - —
cns., 25 lbs.....lb. 3.50 - —
Poke root, bls.....lb. .06½- .07
Pomegranate bark, bgs.....lb. .18 - .19
Root bark, bgs.....lb. .40 - .41
Poppy flowers, red, bls.....lb. .35 - .40
Seed, Dutch, bgs.....lb. .07½- .08
Polish, bgs.....lb. .07½- .07¾
Potash acetate, USP, bbls.,kgs.lb. .26 - .28
50% sol., bbls.....lb. .08½- .09
Bicarbonate, USP, cryst., bls. lb. .09 - .13
gran., bbls.....lb. .10 - .12
Bichromate, spot, c.l., works.lb. .06⅝- —
6 casks or 10 bbls. or over, works..lb. .06¾- —
5 casks or 9 bbls. or less, works..lb. .09 - —
Binoxalate, dms.....lb. .23 - —
Bisulphate, kgs.....lb. .15½- .18
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .06½- —
l.c.l..lb. .06¾- —
Potash, carbonate, liquid, dms., c.l., dlvd..lb. .02⅞- —
l.c.l., 10 dms. or over...lb. .03⅛- —
less than 10 dms.....lb. .03⅛- —
tanks, dlvd.....lb. .02⅝- —
USP, gran., bbls.....lb. .14 - —
powd., bbls.....lb. .19 - —
Caustic, flake, 88-92%, dom., dms., c.l., works..lb. .07 - —
l.c.l. .....lb. .07¼- .07½
import., dms.....lb. .07 - .07½
liquid, 45% basis, dms.....lb. .03¼- .03½
tanks .....lb. .02⅝- —
solid, 88-92%, dom.. dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06¼- .06⅝
import. csks.....lb. .06¼- .06⅝
Chlorate cryst., kgs.....lb. .09¼- .09½
gran., kgs.....lb. .12 - .13
powd., kgs.....lb. .08½- .09⅝
Chloride, tech., 98% cryst., bbls.,lb. .04 - .04¼
Chromate, kgs.....lb. .28 - .30
Citrate, USP, gran., bbls., 250 lbs..lb. .35 - —
kgs., 100 lbs.....lb. .36 - —
cns., 50 lbs.....lb. .37 - —
cns., 25 lbs.....lb. .39 - .40
Cyanide, cns., dms.....lb. .56 - .60
Glycerophosphate, 75% sol., cns., 100 lbs..lb. 1.25 - 1.30
Gualacolsulphonate, cns.....lb. 1.65 - 1.70
Hydroxide, USP, sticks, cns..lb. .86 - .97
Hypophosphite, cns.....lb. .72 - .77
Iodate, bbls.....lb. 3.20 - 3.25
Iodide, bbls., fib. dms.....lb. 1.10 - 1.15
Kainit, high-grade, 20% K_2O, bulk, c.l.f. ports..ton.12.00 - —
Manure salt, dom., 20%, K_2O, bulk, c.l.f. ports..ton.12.00 - —
run of mine, approx. 30% K_2O, bulk, c.l.f. ports, unit-ton. .55 - —
import., 50% K_2O,bulk,shipt. unit-ton. .55 - —
Metabisulphite, kgs.....lb. .15 - —
Muriate, dom., all strengths, min. 50% K_2O, bulk..... unit-ton. .50 - —
import., all strengths, min. 80% KCl, basis 50% K_2O, bulk, c.l.f. ports..unit-ton. .50 - —
Potash muriate prices in bags are $3 ton higher than bulk price.
Oxalate, pure, cryst., kgs....lb. .30 - .33
tech., bbls.....lb. .25 - .26
Perchlorate, kgs., works.....lb. .09 - .11
Permanganate, tech., dms...lb. .18½- .19
Prussiate, red, bbls.....lb. .35 - .37
Yellow, bbls.....lb. .15 - .16
Silicate alkaline, lump, bags.lb. .07 - —
Sulphate, NF, bbls.....lb. .13 - .14
tech., 90-95%, min. 90%, bgs., shipt., c.l.f. ports..ton.26.25 - —
Vegetable, bulk, f.o.b.Balto.ton.19.97 Nom.
Xanthate, dms., c.l.....lb. .13 - —
l.c.l. .....lb. .13¼- —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt. ton.24.75 - —
Potash-titanium oxalate, kgs..lb. .33 - .35
Prickly ash bark, bls.....lb. .11½- .16
Berries, bls.....lb. .15 - .16
Prince's pine herb, bls.....lb. .18 - .20
Propane, tanks, G.3.....gal. .03 - .04¾
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .18 - .20
Pumice stone, Italian,Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. .03 - —
less than 3, works..lb. .03½- —
F and 1, bbls., 3 or over, works..lb. .03½- —
less than 3, works...lb. .04 - —
0, 0-½, 0-¾, and ½, bbls., 3 or over, works..lb. .04 - —
less than 3, works...lb. .04½- —
Ital.-grd., bgs., c.l., shipt. ex dock N.Y..ton.82.85 Nom.
l.c.l., 5-29 tons, ex whse. ton.37.70 - —
1,000-10,000 lbs., ex whse..ton.38.70 - —
2 bgs. to 1,000 lbs., ex whse..ton.40.70 - —
single bgs.,ex whse.ton.45.70 - —
Pumpkin seed, bgs.....lb. .11 - .14
Purple lake (see Red).
Putty, com'l., dms., 1,000 lbs. 100 lbs. 2.90 - —
500-999 lbs.....100 lbs. 3.10 - —
100-499 lbs.....100 lbs. 3.25 - —
linseed oil, raw, dms., 1,000 lbs. 100 lbs. 4.05 - —
500-999 lbs.....100 lbs. 4.85 - —
100-499 lbs.....100 lbs. 5.00 - —
refined, dms., 1,000 lbs.100 lbs. 5.15 - —
500-999 lbs.....100 lbs. 5.35 - —
100-499 lbs.....100 lbs. 5.50 - —
standard, dms., 1,000 lbs. 100 lbs. 3.65 - —
500-999 lbs.....100 lbs. 3.85 - —
100-499 lbs.....100 lbs. 4.00 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrins (Seil test) 55 gal. dms. (incl.), frt. alld. E. of Rockies, standard brand .....gal. 4.15 - —
basis, 3.6% pyrethrins, 55 gal. dms. (incl.) frt. alld. E. of Rockies, standard brand .....gal. 6.10 - —
Pyrethrum flowers, coarse, grnd. (g.f.p.), Japan, bgs., frt. alld., 15 tons or over. lb. .12¾- —
fine powd., Dalmat., bbls.lb. .14 - .16
Japan, bbls., ton lots, frt. alld..lb. .15¾- —
Pyridin, denaturing, dms.....gal. 1.30 - —
refd., 2° dms.....lb. .40 - —
Pyrites, Spanish, bulk, c.l.f. Atl. ports..unit-ton. .12-.13 Nom.
Pyrocatechin, CP, cryst., works, fib. dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins.lb. 4.60 - —

Q

Quassia, chips, bls.....lb. .06 - .07
Quebracho extract, liquid, 35% tan., bbls., works..lb. .03¾- —
tanks, works.....lb. .02⅝- —
solid, 65%, bgs., c.l., ex dock, plus duty..lb. .03½- —
clarified, 64%, bgs..c.l., same basis..lb. .04¾- —
Queen of the meadow herb, bgs..lb. .06 - .07
Root, bgs.....lb. .06 - .07
Quercitron extract, liquid, 51°, bbls..lb. .06 - .09
solid, dms.....lb. .10 - .12
Quicksilver, dom., flasks (76 lbs. net), dlvd., N. Y..flask.93.00 -95.00
Quince seed, bgs.....lb. .45 - 1.50
Quinidine, cryst., small, cns...oz. .96 - —
large, cns.....oz. .96 - —
pwd., precip., cans.....oz. .91 - —
Sulphate, cns.....oz. .67 - —

Make SALES EASIER with HEEKIN CANS . . .

Place an attractive, clean, colorful, Heekin lithographed can on the shelves of your dealers and enjoy increased sales.

Heekin Lithographed Cans are preferred in every field—whether as containers for lard or lye, coffee or grease — these cans are most desirable. Write today for complete information.

THE HEEKIN CAN CO., Cincinnati, O.

Quinine, 100 ozs., cns.....oz. .74 - —
Acetate, cns.....oz. .98 - —
Arsenate, cns.....oz. .98 - —
Arsenite, cns.....oz. 1.00 - —
Bisulphate, cns.....oz. .53 - —
Citrate, cns.....oz. .71 - —
Dihydrobromide, bots.....oz. .74 - —
Dihydrochloride, bots.....oz. .74 - —
Ethylcarbonate, cns.....oz. .74 - —
Ferrocyanide, cns.....oz. 1.00 - —
Formate, cns.....oz. .98 - —
Glycerophosphate, cns.....oz. 1.13 - —
Hydrochloride, cns.....oz. .66½- —
Hydrocklorosulphate, cns.....oz. .74 - —
Hydroiodide, cns.....oz. .98 - —
Hypophosphite, cns.....oz. .98 - —
Phosphate, cns.....oz. .81 - —
Salicylate, cns.....oz. .72 - —
Sulphate, U.S.P. X, cns.....oz. .53 - —
U.S.P. XI, cns.....oz. .50½- —
Sulphocarbolate, cns.....oz. .96 - —
Tannate, cns.....oz. .67 - —
Tartrate, cns.....oz. .94 - —
Valerate, cns.....oz. .92 - —
Quinine-urea hydrochloride, cns.oz. .74 - —

R

R salt, bbls.....lb. .52 - .55
Rapeseed, Belgian, bgs.....lb. .06¼- .06½
Dutch, bgs.....lb. .06¼- .06½
Japanese, bgs.....lb. .06¼- .06½
Raspberries, dried, bbls.....lb. .80 - .85
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.....lb. 1.10 - —
Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport 1¼c.). Miss., N.C., S.C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Amaranth (see Red, maroon, lake).
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .80 - —
smaller lots, same basis. lb. .85 - —
kgs., ton lots, same basis. lb. .85 - —
smaller lots, same basis. lb. .90 - —
light shade, bbls., ton lots, same basis..lb. .65 - —
smaller lots, same basis. lb. .70 - —
kgs., ton lots, same basis. lb. .70 - —
smaller lots, same basis. lb. .75 - —
light-medium shade, ton lots, same basis..lb. .70 - —
smaller lots, same basis. lb. .75 - —
kgs., ton lots, same basis. lb. .75 - —
smaller lots, same basis. lb. .80 - —
maroon shade, bbls., ton lots, same basis..lb. .90 - —
smaller lots, same basis. lb. .95 - —
kgs., ton lots, same basis. lb. .95 - —
smaller lots, same basis. lb. 1.00 - —
medium shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis. lb. .80 - —
kgs., ton lots, same basis. lb. .80 - —
smaller lots, same basis. lb. .85 - —
selenide, bbls., ton lots, works. 2.00 - —
smaller lots, works.....lb. 2.50 - —
Orange, bbls., ton lots, works..lb. 1.50 - —
smaller lots, works....lb. 1.75 - —
Carmine 40, cns., 500 lbs.....lb. 4.00 - —
100 lbs.....lb. 4.15 - —
11 lbs.....lb. 4.40 - 4.50
Crocus martis (see Red, purple oxide).
Eosin, kgs.....lb. .65 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .08¾- —
80%-85%, bbls., same basis.lb. .07 - —
Iron oxide (see Red, oxide).
Lake C toner, bbls., same basis alizarin lake, contracts..lb. 1.25 - —
open order.....lb. 1.30 - —
Lithol toner, bbls., same basis alizarin lake, contracts..lb. .75 - —
open order.....lb. .80 - —
Lithol-rubin toner, bbls., same basis alizarin lake..lb. 1.65 - —
Maroon lake, 25%, kgs., same basis alizarin lake, contracts, lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom., bbls., lb. 1.40 - —
Metallic, bbls., Pa., works..lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .06¼- —
l.c.l., works.....lb. .09¼- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, New Castle, N. Y..lb. .06¼- —
50% copperas oxide, bbls., same basis..lb. .07¼- —
Para toner, concent., kegs., same basis alizarin lake, contracts..lb. .75 - —
open order..lb. .80 - —
Persian Gulf oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N. Y..lb. .04½- —
ex whse., Chicago, St. Louis..lb. .04¾- —
San Fran., Los Ang., Portland, Seattle..lb. .05 - —
Phosphotungstic Rhodamine Y, bbls..lb. 3.50 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs.....lb. 1.50 - 2.00
Rose lake, bbls.....lb. .20 - .30
Pink, bbls.....lb. .15 - .20
Scarlet ink toner, kgs., same basis alizarin lake..lb. .45 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish oxide.....lb. No Stocks.
Teluidin toner, kgs., same basis alizarin lake..lb. 1.35 - —
Tuscan, 1, bbls., f.o.b. N. Y., E. St. Louis..lb. .25½- —
2, bbls., same basis.....lb. .30½- —
3, bbls., same basis.....lb. .23½- —
4, bbls., same basis.....lb. .33½- —
5, bbls., same basis.....lb. .24 - —
6, bbls., same basis.....lb. .24 - —
7, bbls., same basis.....lb. .24 - —
8, bbls., same basis.....lb. .23 - —
9, bbls., same basis.....lb. .31½- —
10, bbls., same basis.....lb. .18½- —
Red, venetian, bbls., works....lb. .0190- —
10%, bbls., works.....lb. .0215- —
15%, bbls., works.....lb. .02¼- —
20%, bbls., works.....lb. .02¼- —
25%, bbls., works.....lb. .02¾- —
30%, bbls., works.....lb. .03 - —
35%, bbls., works.....lb. .0335- —
40%, bbls., works.....lb. .03¾- —
Vermilion, American, bbls., same basis alizarin lake..lb. .15 - —
English quicksilver, bbls., 500-lbs..lb. 1.72 - —
smaller lots.....lb. 1.73 - 1.83
Red dyes are listed under Dyes.
Red precipitate, U.S.P. IX, bxs., flb. dms., kgs., 100 lbs..lb. 1.74 - —
Red saunders wood, ground, bbls. lb. .12 - .17
Resorcinol, tech., dms., works..lb. .75 - .80
USP, cryst., bbls., works....lb. 1.50 - 1.55
Rhatany root, bgs.....lb. .08½- .10
Rhodinol, bots.....lb. 5.75 -15.00
Rhubarb, root, bbls., cs., kgs..lb. .32 - .33
powd., bbls., kgs.....lb. .35 - .37
Rochelle salt, cryst., bbls., 5,000 lbs., 1 shipm't.....lb. .14½- —
smaller lots.....lb. .15 - —
powd., bbls., 5,000 lbs., 1 shipm't.....lb. .13½- —
smaller lots.....lb. .14 - —
Rose flowers, pale, bls.....lb. .22 - .23
Red, bls.....lb. 2.00 - 2.10
Water, triple.....djn. 4.75 - 5.00
Rosemary flowers, bls.....lb. .35 - .40
Leaves, bls.....lb. .03 - .05½
Rosin, gum, B, bbls., ex dock..
280 lbs.10.00 - —
E, bbls.....280 lbs.10.15 - —
D, bbls.....280 lbs.10.55 - —
F, bbls.....280 lbs.10.95 - —
G, bbls.....280 lbs.10.95 - —
H, bbls.....280 lbs.11.00 - —
I, bbls.....280 lbs.11.00 - —
K, bbls.....280 lbs.11.00 - —
M, bbls.....280 lbs.11.00 - —
N, bbls.....280 lbs.11.10 - —
W. G., bbls.....280 lbs.11.50 - —
W. W., bbls.....280 lbs.13.25 - —
X, bbls.....280 lbs.13.25 - —
Wood, F.F., bbls., spot.280 lbs.10.72 @11.65
Southern shipping point. 280 lbs. 9.85 - —
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.35.00 - —
l.c.l., ex whse.....ton.50.00 - —
Import., lump, bbls.....lb. .12 - —
powd., bbls.....lb. .06½- .10
Rue, bls.....lb. .21 - .22

S

Sabadilla seed, powd., bbls... lb. .22 - .28
Saccharin, dms., 100 lbs.....lb. 1.70 - —
cns., 25 lbs.....lb. 1.73 - 2.05
Safflower, bls.....lb. .27 - .28
Saffron, Mexican, bls.....lb. .50 - .55
Spanish, tins.....lb.13.50 -14.50
Safrol, cns.....lb. .58 - —
dms.....lb. .55 - —
Sage, Dalmatian, stemless.....lb. .06¼- .06¾
garden, bls.....lb. .06¾- .07¼
Sago flour, bgs.....lb. .02¾- .03¾
Salicin, cns.....lb. 4.00 - 4.25
Salol, kgs.....lb. .90 - .95
Salt, reclaimed, bgs., c.l., dlvd., N. Y..ton.13.04 - —
vacuum, common fine, bgs., c.l., dlvd. N. Y..ton.14.06 -14.58
l.c.l., dlvd. N. Y.....ton.17.00 - —
Saltcake, grd., dom., bbls., works. ton.19.00 -23.00
bulk, works.....ton.12.00 -16.00
import, bulk, c.i.f.....ton.12.00 -12.50
Chrome (see Chrome cake).
Saltpeter, dbl. refined, cryst., 10-20 tons, bbls..100 lbs. 7.00 - 7.75
1-9 tons.....100 lbs. 7.40 - 7.90
less than ton lots...100 lbs. 7.40 - 8.15
gran., bbls.,10-20 tons..100 lbs. 6.00 - —
1-9 tons.....100 lbs. 6.15 - —
less than ton lots...100 lbs. 6.40 - —
powd., bbls., 10-20 tons.100 lbs. 7.00 - —
1-9 tons.....100 lbs. 7.15 - —
less than ton lots...100 lbs. 7.40 - —
Santonin, cryst., cns.....lb.30.00 -32.00
Saponin, cns.....lb. 1.45 - 1.50
Sarsaparilla root, Honduras, bls.lb. .45 - .50
Mexican, bls.....lb. .20 - .22
Sassafras bark, ord., bls.....lb. .11 - .12
select, bls.....lb. .22 - .23
Savory, bls.....lb. .07½- .08
Saw palmetto berries, bgs.....lb. .30 - .33
Scammony root, bgs.....lb. .06 - .07
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipm't.....lb. .11½- —
smaller lots.....lb. .12 - —
kegs, 5,000 lbs., 1 shipm't.lb. .12 - —
smaller lots.....lb. .12½- —
Senega root, bls.....lb. .55 - .60
Senna leaves, Alexandria, bls.lb. .10 - .11
Tinnevelly, No. 1, bls.....lb. .11 - .12
2, bls.....lb. .07 - .08
3, bls.....lb. .05½- .06
powd., bbls., bxs.....lb. .09 - .10
siftings, bls.....lb. .10 - .11
Pods, bls.....lb. .06 - .07
Serpentaria root, bls.....lb. 1.10 - 1.25
Shellac, bleached, bonedry, bbls., f.o.b. N. Y..lb. .21 - .22
dlvd. Boston.....lb. .21½- .22½
Chicago.....lb. .22 - .23
Pacific Coast.....lb. .23 - .24
refd., bbls., f.o.b. N.Y....lb. .25 - .26
dlvd. Boston.....lb. .24½- .25½
Chicago.....lb. .26 - .27
Pacific Coast.....lb. .28 - .29
Garnet, bgs.....lb. .16 - .17
Orange, D.C., VSO., Diamond, cases..lb. .25 - .26
superfine, bgs., f.o.b. Bost., N. Y..lb. .15 - .15¼
dlvd, Chicago.....lb. .16 - .16½
Pacific Coast.....lb. .18 - .18½
T.N., bgs., f.o.b. Bost., N. Y. lb. .14 - .14½
dlvd. Chicago.....lb. .15 - .15½
Pacific Coast.....lb. .17 - .17½
Shellac, varnish, orange, 5-lb. cut, bbls..lb. .90 - 1.00
4½-lb. cut., bbls.....gal. .85 - .95
4-lb. cut, bbls.....gal. .80 - .90
white, 5-lb. cut, bbls.....gal. 1.05 - 1.15
4½-lb. cut, bbls.....gal. 1.00 - 1.10
4-lb. cut bbls.....gal. .95 - 1.05
Silica, amorph., dry-grd., 85-97%, 325 mesh, bgs., c.l., works. ton.17.00 - —
l.c.l., 2½ tons, works.ton.19.00 - —
smaller lots, works.ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works, ton.18.00 - —
l.c.l., 2½ tons, works.ton.19.50 - —
smaller lots, works.ton.21.00 - —
400 mesh, bgs., c.l., works. ton.35.00 - —
l.c.l., 2½ tons, works.ton.36.50 - —
smaller lots, works.ton.38.00 - —
96-98% 325 mesh, bgs., c.l., works..ton20.00 - —
l.c.l., 2½ tons, works.ton.21.50 - —
smaller lots, works.ton.23.00 - —
Silica, amorph., wet grd., 99%, 325 mesh, bgs., c.l., works. ton.24.00 - —
l.c.l., 2½ tons, works.ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quarts, 140 mesh, bgs., c.l., works..ton.14.00 - —
l.c.l., works.....ton.17.00 - —
Silver, bullion.....oz. .44¾- —
Govt. purchase.....oz. .7757- —
Silver nitrate, vls.....oz. .32¾- .34¾
Nucleinate, cns., 500 ozs....oz. .35 - .36
Proteinate, cns., 500 ozs....oz. .34 - .35
Simarubra bark, bls.....lb. .28 - .30
Skatol, bots.....oz. 4.00 -10.00
Skullcap, Eastern, bls.....lb. .25 - .26
Western, bls.....lb. .24 - .25
Skunk cabbage root, bls.....lb. .15 - .16
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .11 - .13
Smalt, black, extra velvet, bbls. lb. .05 - .06
Blue, bbls.....lb. .06½- .07
Snakeroot, Canad., bls.....lb. .24 - .28
Soapbark, bls.....lb. .07 - .08
crushed, bls., bbls.....lb. .11 - .12
cut, bls., bbls.....lb. .09 - .10
powd., bbls.....lb. .13 - .14
Soda abietate, dms.....lb. .08 - —
Acetate, anhyd., dms.....lb. .08¼- —
flake, 50%, dms.....lb. .04¼- .05
Alginate, dms.....lb. .04 - —
Antimoniate, bbls.....lb. .13¾- .14¼
Arsenate, dms.....lb. .09¼- .11½
Arsenite, liq., dms.....lb. .40 - .75
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.25 - —
l.c.l., Zone 1.....100 lbs. 2.08 - —
2.....100 lbs. 2.18 - —
3.....100 lbs. 2.43 - —
4.....100 lbs. 2.88 - —
bbls., c.l., works....100 lbs. 1.50 - —
l.c.l., Zone 1.....100 lbs. 2.25 - —
2.....100 lbs. 2.40 - —
3.....100 lbs. 2.65 - —
4.....100 lbs. 3.05 - —
bulk, c.l., works....100 lbs. 1.10 - —
extra light, 58%, bgs., c.l. 100 lbs. 1.23 - —
l.c.l., Zone 1.....100 lbs. 1.98 - —
2.....100 lbs. 2.13 - —
3.....100 lbs. 2.38 - —
4.....100 lbs. 2.78 - —
bbls., c.l., works....100 lbs. 1.60 - —
l.c.l., Zone 1.....100 lbs. 2.25 - —
2.....100 lbs. 2.50 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. 1.05 - —
light, 58%, bgs., c.l., works. 100 lbs. 1.23 - —
l.c.l., Zone 1.....100 lbs. 1.98 - —
2.....100 lbs. 2.13 - —
3.....100 lbs. 2.38 - —
4.....100 lbs. 2.78 - —
bbls., c.l., works....100 lbs. 1.50 - —
l.c.l., Zone 1.....100 lbs. 2.25 - —
2.....100 lbs. 2.40 - —
3.....100 lbs. 2.65 - —
4.....100 lbs. 3.05 - —
bulk, c.l.....100 lbs. 1.05 - —
Soda ash l.c.l. prices are per 100 lbs. and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. For ex warehouse, deduct 15c. per 100 lbs. from the above prices; out of town shipments, use ex warehouse prices as f.o.b. cars at warehouse stock point. The sales zones are:—Zone 1, E. of Miss. R., but including Davenport and St. Louis, to S. bndry. of Va. and Ky., N. E. States (in Me., N.H., Vt.), special local prices apply for shipts. to various counties; Zone 2, Ala., Fla., Ga., Iowa (except Davenport), E. Kan. (incl. Wichita), Minn., Miss., Mo. (except St Louis), N.C., Omaha, S.C., Tenn.; Zone 3, Ark., Kan. (W. of Wichita), La., Neb. (except Omaha), N.D., Okla., S.D., Tex. (except El Paso); Zone 4, Ariz., Colo., El Paso (Tex.), Idaho, Mont., Nev., N.M., Spokane, Utah, Wyo.; Zone 5, Calif., Ore., Wash (except Spokane).
Bensoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., 4,000 lbs., or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
dms., 4,000 lbs. or more..lb. .47 - .48
1,000 to 3,900 lbs.....lb. .48 - .49
900 lbs. or less.....lb. .51 - .53
Bicarbonate, gran., bbls., c.l., works..100 lbs. 2.15 - —
powd., bbls., c.l., works. 100 lbs. 1.75 - —
l.c.l., dlvd. N.Y....100 lbs. 2.39 - —
kgs., c.l.....100 lbs. 2.50 - —
l.c.l., dlvd. N.Y....100 lbs. 2.64 - —
Bichromate, spot, c.l., works, lb. .06¾- —
6 cks. or 10 bbls. or over, works..lb. .06¾- —
5 cks. or 9 bbls. or less, works..lb. .07 - —
Bifluoride, bbls.....lb. .12 - —
Bisulphate (see Niter cake).
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.25 - 3.35
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works. 100 lbs. 1.55 - —
33 deg., bbls., c.l. works 100 lbs. 1.35 - —
l.c.l., bbls., works. 100 lbs. 1.60 - —
35 deg., bbls., c.l., works 100 lbs. 1.40 - —
l.c.l., bbls., works. 100 lbs. 1.65 - —
40 deg., bbls., works 100 lbs. 1.55 - —
l.c.l., bbls., works. 100 lbs. 1.80 - —
Bromide, bbls.....lb. .31 - .32
Cacodylate, jars.....lb. 6.50 - 6.75
Carbonate (see Soda ash, soda monohydrated soda, sal).
Caustic, flake, 76%, grd., powd., ammon. process, bbls works..100 lbs 3.25 - —
dms., c.l., works. 100 lbs 3.40 - —
l.c.l., Zone 1...100 lbs. 3.45 - 4.80
2.....100 lbs. 3.60 - 4.95
3.....100 lbs. 3.85 - 5.20
4.....100 lbs. 4.25 - 5.60
electro process, dms., c.l. works..100 lbs. 2.95 - —
l.c.l., same zone prices as ammon process.
liquid, 47-49%, buyer's tanks, works..100 lbs. 2.32½- —
seller's tanks, works..... 100 lbs. 2.20 - —
70%, buyer's tanks, works, 100 lbs. 2.37½- —
seller's tanks, works..... 100 lbs. 2.30 - —
solid, 76%, ammon. process, dms., c.l., works..100 lbs 2.60 - —
l.c.l., Zone 1...100 lbs. 3.05 - —
2.....100 lbs. 3.20 - —
3.....100 lbs. 3.45 - —
4.....100 lbs. 3.85 - —
electro process, dms., c.l., works..100 lbs. 2.55 - —
l.c.l., same zone prices as ammon process
Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.

Quinine—Soda Tungstate

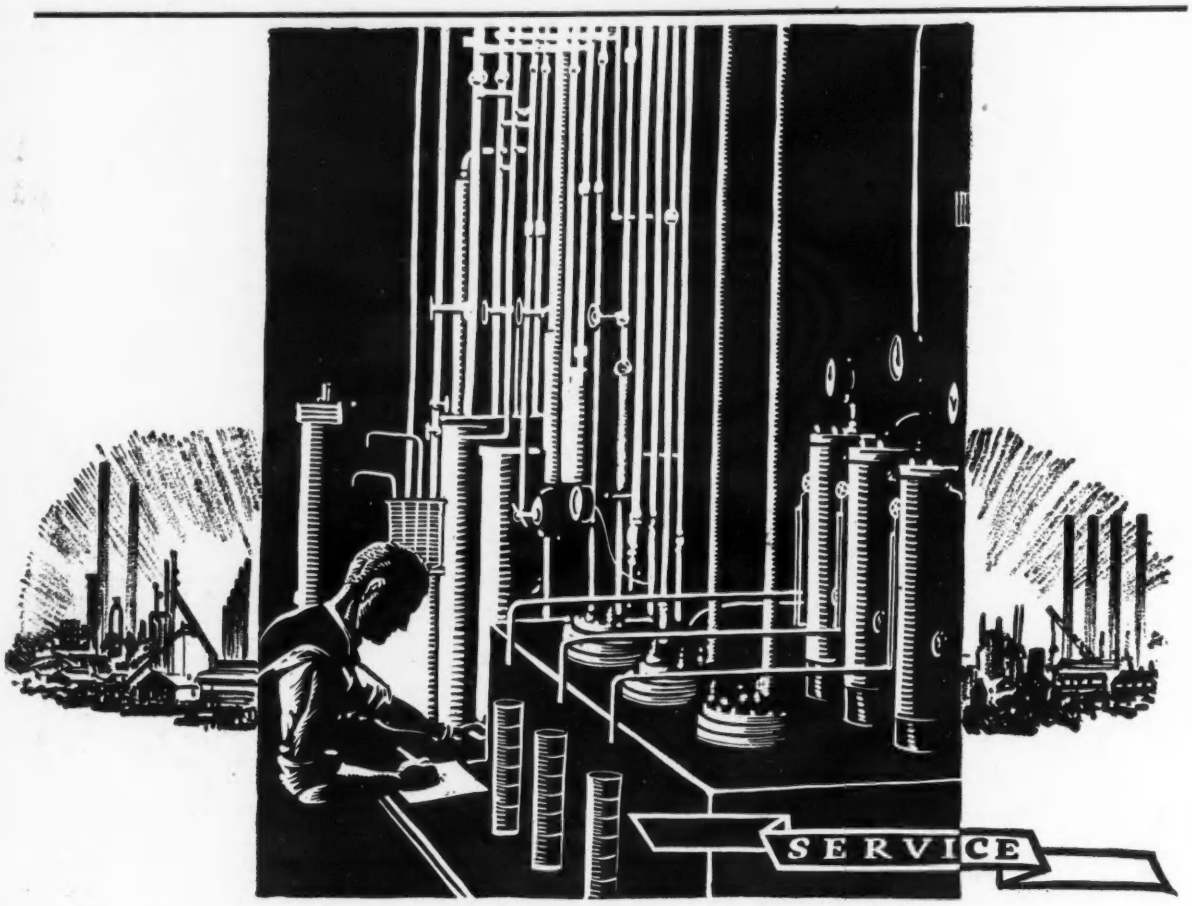
Soda, chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- .08
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Citrate, USP, VIII, gran., bbls. 225 lbs. .21 - —
cns, 50 lbs.....lb. .23 - —
25 lbs.....lb. .25 - .26
kgs., 100 lbs.....lb. .22 - —
USP X, gran., bbls., 250 lbs. lb. .27½- —
cns, 50 lbs.....lb. .29½- —
25 lbs.....lb. .31½- .32½
kgs., 100 lbs.....lb. .28 - —
powd., bbls., 250 lbs.....lb. .28 - —
cns., 50 lbs.....lb. .30 - —
25 lbs.....lb. .32 - .33
kgs, 100 lbs.....lb. .29 - —
Cyanide, 96-98%, dom., dms..lb. .16½- .17¼
Import., cs.....lb. .16¼- .17
Fluoride, white, 90%, bbls., c.l., f.o.b. Phila..lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07½- —
5-9, same basis.....lb. .08 - —
1-4, same basis.....lb. .08¼- —
95%, bbls., c.l., same basis, lb. .07½- —
l.c.l., 10 or over, same basis..lb. .07¾- —
5-9 same basis.....lb. .08¼- —
1-4, same basis.....lb. .08½- —
Soda fluoride prices at Los Angeles are f.a.s. Phila.
Glycerophosphate, cryst., bbls., cns., 100 lbs..lb. 1.15 - —
solution, 75%, cns.....lb. .90 - —
50%, cns.....lb. .55 - —
Hydrosulphite, bbls.....lb. .16 - .17
Hydroxide, USP, sticks, cns., 100 lbs..lb. .23 - .24
Hydrophosphite, cns.....lb. .67 - .72
Hyposulphite, cryst., large, bbls., 100 lbs. 2.40 - 2.65
pea, bbls.....100 lbs. 2.50 - 3.05
gran., bbls.....100 lbs. 2.75 - 3.30
Iodate, jars.....lb. 5.02 - 5.07
Iodide, jars.....lb. 1.90 - 1.95
Metanilate, kgs.....lb. .41 - .42
Metasilicate, cryst., bbls., c.l., works..100 lbs. 2.75 - —
gran., bbls., c.l., works. 100 lbs. 2.15 - —
l.c.l., dlvd.....100 lbs. 2.60 - 2.80
Molybdate, tech., anhyd., kgs., lb. .65 - .70
cryst., kgs.....lb. .55 - .60
Monohydrated, bbls.....100 lbs. 2.00 - —
works.....100 lbs. 2.30 - —
Naphthenate, bbls.....lb. .09 - —
Naphthionate, bbls.....lb. .52 - .54
Nitrate, crude, 100-lb. bgs., Feb.-June dlvy., ports.ton.27.50 - —
200-lb. bgs., same basis, ton.26.80 - —
bulk, same basis.....ton.25.50 - —
rfd., gran., bbls, 10-25..100 lbs. 2.25 - —
5-9.....100 lbs. 2.40 - —
1-4.....100 lbs. 2.65 - —
powd., bbls.....lb. .05¾ Nom.
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized...lb. .07 - —
West Coast, f.o.b. ports.lb. .08¼- —
l.c.l.....lb. .08½- .11½
Soda nitrite l.c.l. price range represents delivery at various points.
Oxalate, neut., bbls.....lb. .09 - —
kgs.....lb. .11 - —
Perborate, NF, bbls., c.l., works..lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Phosphate, dibasic, tech., bgs., c.l., works.....100 lbs. 1.70 - —
l.c.l., works.....100 lbs. 1.95 - —
bbls., c.l., works...100 lbs. 1.90 - —
l.c.l., works.....100 lbs. 2.10 - —
Monobasic, anhyd., bbls., c.l., 100 lbs. 7.34 - —
l.c.l.....100 lbs. 8.25 - —
tribasic, bgs., c.l., works... 100 lbs. 1.83 - —
l.c.l., works.....100 lbs. 2.23 - —
bbls., c.l., works...100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.45 - —
kgs., c.l., works...100 lbs. 2.55 - —
l.c.l., works.....100 lbs. 2.95 - —
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., works, contracts..lb. .10 - —
spot.....lb. .11½- —
Pyrophosphate, anhyd., bbls.lb. .10 - —
cryst., bbls.....lb. .09½- —
Sal, bgs., dlvd. N. Y...100 lbs. 1.20 - —
works.....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works.....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .47 - —
Sesquisilicate, dms., c.l., works, 100 lbs. 3.00 - —
20 dms. and up, delvd. N.Y.C. 100 lbs. 3.65 - —
5-19 dms.....100 lbs 4.10 - —
1-4 dms.....100 lbs. 4.30 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1-4, works.....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.25 - —
l.c.l., 5 or more, works, 100 lbs. 1.60 - —
1-4, works.....100 lbs. 1.75 - —
Silicofluoride, dom., bbls.....lb. .06½- .07
import, bbls.....lb. .06½- .07
Stannate, dms.....lb. .33½- .36½
Stearate, lump, bbls., works..lb. .20 Nom.
powd., bbls., works.....lb. .24 - —
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works. 100 lbs. 1.70 - 1.90
less than 5 tons, works. 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 2.75 - —
less than 5 tons, dlvd. 100 lbs. 3.00 - —
flake, chips, broken, bbls., c.l. works..100 lbs. 3.50 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 4.00 - —
less than 5 tons, dlvd. 100 lbs. 4.25 - —
solid, bbls., c.l., works.100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 3.50 - —
less than 5 tons, dlvd. 100 lbs. 3.75 - —
sulphite, cryst., bgs., works... 100 lbs. 2.10 - 2.85
bbls.....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1-4.....100 lbs. 6.00 - —
Sulphocarbolate, cs.....lb. .27 - .28
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see hyposulphite)
Tungstate, CP, kgs.....lb. 1.30 - 1.40
tech., kgs.....lb. .80 - .85

Solvent Naphtha—Titanium Pig.

Solvent naphtha, high-flash, dms., works, frt. equald..gal. .36 - —
tanks, same basis.....gal. .31 - —
Water-white, dms., works.gal. .35 - —
tanks, E. of Omaha, frt. alld..gal. .30 - —
W. of Omaha, works..gal. .30 - —
Sorbitol, com'l, syrup, dms., basis sorbitol cont., works. lb. .25 - —
Sparteine sulphate, cns.....oz. 1.10 - 1.15
Spearmint leaves, bls.....lb. .22 - .23
Spikenard root, bls.....lb. .12 - .15
Spruce extract, bbls., works...lb. .01½- —
tanks, works.....lb. .01 - —
powd., bgs.....lb. .04 - —
super, bbls., works.....lb. .01½- —
tanks, works.....lb. .01¾- —
Squawvine leaves, bls.....lb. .14 - .15
Squill, red, bls.....lb. .14 - .15
White, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .12 - .13
St. Ignatius beans, bgs.....lb. .31 - .32
St. John's bread, bls.....lb. .08½- .09
Starch, corn, pearl, bgs...100 lbs. 3.78 - 3.98
powd., bgs.....lb. 3.88 - 4.08
Iodide, bots.....lb. 1.87 - —
Potato, dom., bgs.....lb. .04½- .05½
import., bgs.....lb. .05 - .06
Rice, bbls.....lb. .07¼ Nom.
Wheat, bgs.....lb. .08¼- .08¾
Stavesacre seed, bgs.....lb. .35 - .40
Stearin, oleo, bbls.....lb. .10¼- .10½
Stillingia root, bls.....lb. .08 - .09
Stoneroot, bls.....lb. .06½- .07
Storax, cs.....lb. .33 - .35
Stramonium leaves, bls.....lb. .11 - .12
Seed, bgs.....lb. .09 - .10
Strontium bromide, bbls.....lb. .50 - .51
Carbonate, pure, bbls.....lb. .30 - .31
Iodide, jars.....lb. 2.80 - 2.85
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-4 bbls. and over.....lb. .08¾- —
import, bbls.....lb. .08½- .09
Strophanthus seed, Kombe, bgs.lb. 1.45 - 1.50
Strychnine, cryst., cns.....oz. .48 - .51
powd., cns.....oz. .38 - .41
Acetate, cns.....oz. .64 - —
Arsenate, cns.....oz. .66 - —
Arsenite, cns.....oz. .64 - —
Glycerophosphate, cns.....oz. .65 - —
Hydrochloride, cns.....oz. .64 - —
Hydrophosphite, cns.....oz. .75 - —
Nitrate, cns.....oz. .58 - —
Phosphate, cryst., cns.....oz. .65 - —
Sulphate, cryst., cns.....oz. .42 - .45
powd., cns.....oz. .52 - .55
Sucrose octa-acetate, denat. grade, bbls., l.c.l., works.lb. .45 - —
tech., bbls., l.c.l., works....lb. .40 - —
Sugar coloring, bbls.....gal. .65 - 1.05
Milk, bbls., c.l.....lb. .13 - —
l.c.l., 10 or over.....lb. .15 - —
less than 10.....lb. .16 - .17
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - 5.30
Sulphur, crude, bulk, 1,000 tons, mines, contracts..long ton.18.00 - —
c.l., spot, nearby..long ton.21.00 - —
ex vessel, Balto., N. Y., Phila., Southern ports, long ton.22.00 -25.00
Bost., Portland..long ton.22.50 -25.50
flowers, bgs., c.l., works, 100 lbs. 3.00 - —
bbls., works.....100 lbs. 3.35 - —
l.c.l., bgs., works..100 lbs. 3.35 - 3.75
bbls., works.....100 lbs. 3.70 - 4.10
Sulphur, ref., broken, bgs., c.l., works..100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l., bgs., works..100 lbs. 2.50 - 2.90
bbls., works.....100 lbs. 2.65 - 3.05
flour, com'l., bgs., c.l., works, 100 lbs. 1.65 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works..100 lbs. 1.95 - 2.35
bbls., bbls., works..100 lbs. 2.30 - 2.70
rfd., extra fine, bgs., c.l., works..100 lbs. 2.85 - —
bbls., works....100 lbs. 3.20 - —
heavy, bgs., c.l., works, 100 lbs. 2.55 - —
bbls., works....100 lbs. 2.90 - —
l.c.l., bgs., works..100 lbs. 2.90 - 3.30
bbls., works....100 lbs. 3.25 - 3.65
light, bgs., c.l., works, 100 lbs. 2.65 - —
bbls., works....100 lbs. 3.00 - —
l.c.l., bgs., works..100 lbs. 3.00 - 3.40
bbls, works.....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.30 - —
l.c.l., bbls., works.100 lbs. 2.15 - —
Roll, bgs., c.l., works..100 lbs. 2.35 - —
bbls, works.....100 lbs. 2.50 - —
l.c.l., bgs., works..100 lbs. 2.70 - 3.10
bbls., works.....100 lbs. 2.85 - 3.25
Chloride, dms., c.l., works...lb. .02½- —
l.c.l., dms., works.....lb. .03½- —
Dioxide, liq., com'l, cyls., wks. lb. .07 - .09
multi-unit cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .05
refrigeration, cyls., works.lb. .15 - .17
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars.....lb. 3.80 - 3.85
Sumac, leaf, Sicilian, bls.....ton.63.00 -65.00
Extract, 42°, bbls.....lb. .05¾- .06¼
51°, bbls.....lb. .06¼- .06¾
Stainless, bbls.....lb. .08¼- .09¼
Sumac, leaf, Sicilian, bls.....ton.65.00 -68.00
Sunflower seed, Calif., large, bgs. lb. .07 - .07½
medium, bgs.....lb. .06¼- .06¾
poultry, bgs.....lb. .05¾- .06¼
Hungarian medium, bgs..lb. .06¼- .06¾
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto. ton. 8.25 - 8.50
run-of-pile, basis 16%, bulk same basis..ton. 8.00 - —
triple, 44-45%, a.p.a. bulk, f.o.b. Balto..unit-ton. .70 - —

T

Talc, dom., Calif., 1, bgs, c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N.Y., fibrous, 93-94%, 325 mesh, bgs., c.l., mills, ton.13.00 - —
l.c.l., mills.....ton.15.00 - —
96.98% 325 mesh, bgs., c.l., mills..ton.14.00 - —
l.c.l., mills.....ton.16.00 - —
98-99½% 325 mesh.bgs.,c.l., mills, ton..14.10 - —
l.c.l., mills.....ton.15.00 - —
99.85-99.95% 325 mesh, bgs., c.l., mills..ton.16.00 - —
coarse, off color, bgs., c.l., mills..ton.10.00 -12.00
Ohio, alum-magn. type, grd., bgs., c.l., mills..ton.21.00 - —
bgs., c.l., mills..ton.24.00 - —
Vermont, bgs., c.l., mills.ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
import., Canad., bgs., c.l., dlvd..ton.28.00 - —
l.c.l., dlvd.....ton.28.50 - —
French, high-grade, bgs.,l.c.l., ex whse..ton.45.00 -60.00
ordinary, bgs., c.l., ex dock, arrival..ton.23.00 -25.00
l.c.l., ex whse.....ton.27.50 -32.50
Italian, 1, bgs., ex dock, arrival..ton.65.00 -67.00
ex whse.....ton.85.00 - —
2, bgs., ex dock, arrival.ton.60.00 -62.00
Tallow, animal, edible, bbls....lb. .10¼ Nom.
extra, loose, works.....lb. .08¾- .09⅛
special, loose, works.....lb. .08⅜- .09⅜
sulphonated 35% (24% fat), dms., c.l..lb. .07 - —
l.c.l. .....lb. .07½- —
50% (43% fat), dms., c.l..lb. .07½- —
l.c.l. .....lb. .08 - —
50% (48% fat), dms., c.l..lb. .08 - —
l.c.l. .....lb. .08½- —
Tamarinds, W. I., bbls.....lb. .06 - .06¼
kegs .....keg. 5.00 - 5.25
Tankage, animal, dom., grd., 10-12% ammon., 15-20% b.p.l., bulk.....unit-ton. 4.15 & .10
unground, 9-11% ammon., 15-20% b.p.l., bulk..... unit-ton. 4.00 & .10
fertilizer grade, 10-11% ammon., 15-20% b.p.l., bulk, Chicago..unit-ton. 3.75 & .10
high-grade feeding, bulk, Chicago..unit-ton. 4.00 4.25 & .10
import., S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports, Mar.-Apr. shipt..unit-ton. 4.10 & .10
Tansy leaves, bls.....lb. .18 - .20
Tapioca flour, bgs.....lb. .03½- .05½
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .26 - —
dlvd. ports.....gal. .25 - —
l.c.l. .....gal. .26 - —
tanks, dlvd. E. cities...gal. .20 - —
Tar acid oil, 15%, dms, c.l., works .....gal. .21 - —
l.c.l., same basis.....gal. .24 - —
25%, dms., c.l., works.....gal. .24½- —
l.c.l., same basis.....gal. .27½- —
Tartar emetic, tech., fine gran., bbls., 5 or more..lb. .24¾- —
less than 5.....lb. .25 - —
powd., bbls., 5 or more..lb. .24¾- —
less than 5.....lb. .25 - —
USP, powd. bbls.....lt 90 - .30½
Terebene, cns. .....lb. .70 - .75
Terpenyl acetate, cns.....lb. .85 - 1.00
Terpin hydrate, kgs.....lb. .45 - .46
Terpineol, CP, cns.....lb. .26 - —
dms. .....lb. .23 - —
Alpha, denat. grade, dms., c.l. lb. .14¾- —
contracts .....lb. .13¾- —
tanks .....lb. .14 - —
contracts .....lb. .13 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms.,works.lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech., dms.....lb. .10½- —
Tetralin, dms.....lb. .12 - —
Thallium sulphate, 99% pure, dms. works..lb. 7.25 - 7.50
Theobromine, cns.....lb. 1.85 - 1.95
Sodiosalicylate, cns.....lb. 1.65 - 1.75
Thiocarbanilide, dms.....lb. .20 - —
Thorium nitrate, cs., works...lb. 2.20 - —
Thyme, French, bls.....lb. .09½- .10
Thymol, bots., 100 lbs.....lb. 1.65 - —
smaller lots.....lb. 1.70 - 1.95
Iodide, kgs., 50 lbs.....lb. 3.15 - 3.20
25 lbs.....lb. 3.25 - 3.30
Timbo root, powd., imp't., 5% rotenone, bbls., ex-dock, approved assay, 15 tons lb. .26 - —
5 tons, same basis.....lb. .27 - —
4% rotenone prices 5c. per lb., less.
Tin, crystals, bbls., kgs.....lb. .38 - .38½
Metal, Straits.....lb. .5130- —
Oxide, bbls.....lb. .54 - .56
Tetrachloride, anhyd., bbls...lb. .26 - —
Titanium, dioxide, bgs., c.l. (20 tons), E., frt. alld..lb. .16 - —
Pac. cst., f.o.b.terminals.lb. .16 - —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .16½- —
Pac. cst., ex whse....lb. .16½- —
50-999 lbs., E. dlvd.....lb. .16¾- —
Pac. cst., ex whse....lb. .16¾- —
under 50 lbs., E. dlvd..lb. .19 - —
Pac. cst., ex whse....lb. .19 - —
bbls., c.l. (20 tons) E., frt. alld.....lb. .16¼- —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .16¾- —
50-999 lbs., E. dlvd.....lb. .17 - —
pigment, barium base, bgs., 1,000-lb. lots, E. frt. alld..lb. .05¾- —
Pac. cst., f.o.b. terminal. lb. .05¾- —
50-999 lbs., E. dlvd....lb. .06 - —
Pac. cst., ex whse..lb. .06 - —
under 50 lbs., E. dlvd.lb. .06¾- —
bbls., 1,000-lb. lots, E., frt. alld..lb. .06 - —
50-999 lbs., E. dlvd....lb. .06¼- —



PARAMET PARANOLS

A line of modified phenol aldehyde resins, produced under patented processes, to satisfy particular purposes, to allow easy manipulation, to permit a wide range of selection to give the best results consistent with low cost.

The fields of application of the Paranols cover quick drying varnishes, white and colored enamels, baking varnishes, grinding liquids, durable floor varnishes, architectural finishes, tin decorating finishes, rubbing varnishes, primers, and printing inks, as well as coating materials where paleness of color, color retention, non-yellowing and sharp drying are important.

In the line are some Special Paranols free from phenol, finding application in nitrocellulose lacquers, sealers, tin decorating, printing and lithographic varnishes, rubbing lacquers, and white enamels.

A competent technical staff invites your inquiries.

The complete resin line includes:

PARADURA Pure Phenolics
PARAMET Ester Gum
ESTEROL Alkyds
S & W Naturals

STROOCK & WITTENBERG *Corporation*

17 BATTERY PLACE • NEW YORK, N.Y.

PARAMET SYNTHETICS AND S-W NATURALS

"Only time will tell"

Are you getting your copy of **RESIN NEWS** *Regularly?*

Titanium, pigment, calcium base, bgs, 1,000-lb. lots, E. frt. alld..lb. .05¾- —
Pac. cst., f.o.b. terminals. lb. .05¾- —
50-999 lbs., E. dlvd....lb. .06 - —
Pac. cst., ex whse...lb. .06 - —
under 50 lbs., E. dlvd..lb. .06¾- —
bbls., 1,000-lb. lots, E. frt. alld..lb. .06 - —
50-999 lbs., E. dlvd....lb. .06¼- —
Toludin base, kgs.....lb. .88 - .90
distilled, kgs.....lb. .95 - 1.00
Tolu, balsams, cns.....lb. .48 - .53
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), pure, dms., works,..gal. .25 - —
tanks, E. of Omaha, frt. alld. gal. .30 - —
W. of Omaha, works....gal. .30 - —
Tonga vine, NF, bls.....lb. .28 - .30
Tonka beans, Angostura, cks...lb. 2.50 - 2.60
Triacetin, dm.....lb. .36 - —
Triamyl borate, dms., l.c.l., works..lb. .27 - —
Triamylamine, dms, l.c.l., works. lb. 1.25- —
Trichloroethylene, dms., c.l., works, frt. alld. E. of Rockies..lb. .089 - —
W. of Rockies.....lb. .089 - —
l.c.l., works, frt. alld. E. of Rockies..lb. .094 - —
W. of Rockies.....lb. .104 - —
Tricresyl phosphate, CP, cns., dlvd..lb. .38 - .49
dms., c.l., dlvd.....lb. .32 - —
500 lbs., dlvd.....lb. .35 - —
tech., 1, cns., dlvd.....lb. .26 - .37
dms., c.l., dlvd.....lb. .22½- —
500 lbs., dlvd.....lb. .23 - —
2, cns., dlvd.....lb. .24 - .35
dms., c.l., dlvd.....lb. .20½- —
500 lbs., dlvd.....lb. .21 - —
Triethanolamine, dms., works.lb. .26 - .30
Triethylene glycol, dms., l.c.l., works..lb. .26 - —
Triphenyl phosphate, dms.....lb. .34 - .36
Triphenylguanidin, dms.....lb. .58 - .60
Tripoli, air-floated, bgs., c.l., works..ton.25.00 - —
l.c.l., ex whse., N.Y....ton.40.00 - —
1 ton, works.....ton.30.00 - —
1 bg., works.....bag. 4.00 - —
double-grd., bgs., c.l. works.. ton.17.00 - —
l.c.l., 1 ton, works.. ..ton.22.50 - —
1 bg., works.....bag. 3.50 - —
once-grd., bgs., c.l., works..ton.15.00- —
l.c.l., 1 ton, works....ton.20.00 - —
1 bg., works.....bag. 3.00 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal, powd., 98%, dms. lb. 1.90 - 2.00
99%, dms.....lb. 2.05 - 2.15
Oxide, CP, kgs.....lb. 2.65 - 2.75
tech., kgs.....lb. 1.65 - 1.75
Turmeric root, Alleppy, bgs....lb. .06½- .07
Madras, bgs.....lb. .06¼- .06¾
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .47 - —
l.c.l., 10, ex dock.....gal. .49 - —
5, ex dock.....gal. .51 - —
wood dest.-dist., dms., c.l., dlvd, E. cities, ports..gal. .39 - —
l.c.l., same basis....gal. .41 - —
tanks, dlvd., E. cities..gal. .35 - —
Turpentine, steam-dist., dms., c.l., dlvd..gal. .44 - —
l.c.l., dlvd.....gal. .47 - —
tanks, dlvd.....gal. .39 - —

U

Unicorn root, false (see Helonias root). True (see Aletris root.)
Uranium oxide, kgs.....lb. 1.50 - —
Urea, dom., 46 + % N, bgs., 5 tons, f.o.b. Atl. ports or Belle, W. Va..ton.95.00 - —
smaller lots, f.o.b. Belle, W. Va..ton.95.00 - —
f.o.b. N. Y.....ton.101.00 - —
import, 46% N, bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt.ton.95.00 - —
smaller lots, f.o.b. N. Y. from whse.101.00 - —
pure, cs.....lb. .14½- .15½
Urea-ammonia liquor, 55% ammon., tanks, f.o.b. Atl. Gulf ports..unit-ton. 1.04 - —
Uva ursi leaves, bls.....lb. .12 - .13

V

Valerian root, 6?s.....lb. .11 - .12
Valonia, beards, bgs., shipt..ton.46.00 - —
Cups, bgs., shipt.....ton.35.00-36.00
Vanilla beans, Bourbon, tins..lb. 4.00 - 4.50
Mexican, tins .....lb. 4.00 - 4.50
cut, tins.....lb. 3.75 - 4.00
South American, tins.....lb. 3.75 - 4.00
Vanillin, ex eugenol, 25-lb. tins, 2,000 lbs. or more..lb. 3.65 - —
1,000 lbs. or more.....lb. 3.70 - —
900 lbs. or less.....lb. 3.75 - —
5-lb. tins, 2,000 lbs. or more. lb. 3.75 - —
1,000 lbs. or more.....lb. 3.80 - —
900 lbs. or less.....lb. 3.85 - —
1-lb. tins, 2,000 lbs. or more. lb. 3.90 - —
1,000 lbs. or more.....lb. 3.95 - —
900 lbs. or less.....lb. 4.00 - —
1-oz. tins, 2,000 lbs. or more.. lb. 4.25 - —
1,000 lbs. or more.....lb. 4.30 - —
900 lbs. or less.....lb. 4.35 - —
single lbs.....lb. 4.80 - —
single ozs.....lb. 5.15 - —
Vanillin, ex guaiacol, 10c. per lb. less.
Venice turpentine, true, cs.....lb. .47 - .49
Verdigris, kgs.....lb. .24 - .26
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo root bark, bls.....lb. .76 - .80
tree, bark, bls.....lb. .24 - .25
Wattle bark, bgs., shipt.....ton.31.25 -32.25
Extract, 60°, bbls.....lb. .03½- —
Wax, bayberry, import, bgs....lb. .16½- .17
Bees, white, bleach, slabs., cs., 500 lbs..lb. .38 - .44
yellow, crude, Africa, bgs., lots of 10..lb. .28½- .29
1 bg.....lb. .29 - .30
Wax, bees, yellow, crude, Brazil, Chile, bgs., 5-10 tons..lb. .30 - .32
1 ton.....lb. .30½- .32½
500 lbs.....lb. .31 - .33
100 lbs.....lb. .31½- .33½
refd., slabs, cs., lbs.....lb. .34 - .38
Candelilla, bgs., 1 ton.....lb. .15½- .16
jobbing lots.....lb. .16 - .16½
Carnauba, bgs., No. 3 chalky, 1 ton..lb. .34½- .35
5, bgs.....lb. .35 - .35½
1, bgs.....lb. .35½- .36
N. C. 2, bgs.....lb. .38 - .40
N. C. 3, bgs., 1 ton.....lb. .35½- .36
5, bgs.....lb. .36 - .36½
1, bgs.....lb. .36½- .37
refined, bgs.....lb. .40 - .41
yellow, 1 bg., 1 ton.....lb. .45½- .46
5, bgs.....lb. .46 - .46½
1, bgs.....lb. .46½- .47
2, bgs.....lb. .44½- .45
Ceresin, dom., 138°-140° m.p., bgs., 1 ton..lb. .08½- —
jobbing lots.....lb. .09½- —
150°-160° m.p., bgs., 1 ton.lb. .09½- —
jobbing lots.....lb. .10½- —
160° m.p., bgs., 1 ton.....lb. .10½- —
jobbing lots.....lb. .11½- —
Japan, cs.....lb. .10½- .11
Montan, bgs., c.l.....lb. .11 - —
5 tons.....lb. .11¼- .11¾
less than 1 ton.....lb. .11½- .12
Ozokerite, hard green, congeal p. 66°-68° C., bgs..lb. .82 Nom.
70°-72° C., bgs.....lb. .35 Nom.
74°-76° C., bgs.....lb. .38 Nom.
snow-white, pure, 76°-78° C., bgs..lb. .45 - .46
yellow, natural, 76°-78° C., bgs..lb. .35 - .36
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .23 - .24
cakes, cs.....lb. .24 - .25
White lead (see Lead, white).
White pine bark, rossed, bls...lb. .05½- .06
White precipitate, powd., bots. 5 lbs..lb. 1.90 - —
dms.....lb. 1.70 - 1.78
Whiting, chalk, coml., dry-grd., blp. bgs., c.l., works..ton.12.00 - —
l.c.l., works.....ton.14.00 - —
bbls., c.l., works.....ton.15.00 -16.50
l.c.l., works.....ton.17.00 - —
pap. bgs., c.l., works.ton.11.20 -13.50
l.c.l., works.....ton.13.20 - 14.50
wet-grd., bgs., c.l., works. ton.14.50 -15.00
l.c.l., works.....ton.15.00 -19.00
bbls., c.l., works.....ton.17.00 -18.00
l.c.l., works.....ton.18.50 -20.00
gilder's bolted, blp. bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -19.50
l.c.l., works.....ton.19.00 -20.00
pap. bgs., c.l., works.ton.14.60 -15.50
l.c.l., works.....ton.15.60 -16.50
extra bolted, blp. bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
5 bbls., c.l., works.....ton.18.00 -22.50
l.c.l., works.....ton.19.00 -22.00
pap. bgs., c.l., works.ton.14.60 -17.50
l.c.l., works.....ton.15.60 -18.50
Paris white, blp. bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -24.00
l.c.l., works.....ton.19.00 -25.00
pap. bgs., c.l., works..ton.14.60 -20.00
l.c.l., works.....ton.15.60 -21.50
English cliffstone (see Whiting, chalk, Paris white).

Titanium Pigment—Xylidin

Whiting, limestone, air floated, 99.75% 250 mesh, paper bgs., c.l., works..ton. 9.35 - —
99.75% 200 mesh, paper bgs., c.l., same basis.ton. 8.60 - —
90% 200 mesh, paper bgs., c.l., same basis..ton. 6.25 - —
gilders, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra, bgs., (extra), c.l., works..ton.12.50 - —
l.c.l., 8-20 tons, works. ton.13.50 - —
4-8 tons, works....ton.14.50 - —
2-4 tons, works....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.00 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
precipitated, bgs., c.l., works. ton.15.00 - —
l.c.l., 5 tons, works.....ton.20.00 - —
smaller lots, works....ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .04½- .05
rossed, bls.....lb. .06½- .07
thin, natural, bls.....lb. .06½- .07
rossed green, bls.....lb. .10 - .11
Wild indigo root, bgs.....lb. .09 - .10
Witch-hazel extract, dist., NF, bbls..gal. .55 - .65
Leaves, bls.....lb. .07½- .08
Witherite (see Barium carbonate, natural).
Woodflour, dom., fine, bgs., c.l., works..ton.24.00 -30.00
standard, bgs., c.l., works.. ton.18.00 -24.00
import, 40-60 mesh, bgs., ex dock..ton.20.00 - —
70-80 mesh, bgs., ex dock.ton.22.00 - —
100 mesh, bgs., ex dock....ton.27.00 - —
120 mesh, bgs., ex dock....ton.33.00 - —
Wormseed, American, bgs.....lb. .20 - .21
Levant, bgs.....lb. 3.90 - 4.00
Wormwood, bls.....lb. .09 - .10

X

Xylol (xylene), coml., dms., works..gal. .35 - —
tanks, E. of Omaha, frt. alld. gal. .30 - —
W. of Omaha, works...gal. .30 - —
tanks, E. of Omaha, frt. alld. gal. .41 - —
W. of Omaha, works....gal. .41 - —
5°, dms., works.....gal. .41 - —
tanks, E. of Omaha, frt. alld. gal. .36 - —
W. of Omaha, works....gal. .36 - —
10°, dms., works.....gal. .38 - —
tanks, E. of Omaha, frt. alld. gal. .33 - —
W. of Omaha, works....gal. .33 - —
Xylidin, mixed, dms.....lb. .35 - .36

(Continued on page 36)

PERHAPS THIS NEW SYNTHETIC WAX WILL LOWER YOUR PRODUCT COST

Into the highly complex field of commercial waxes comes CERCON, a refined mineral product which is supplied in six colors: Snowdrift, Lemon, Orange, Tangerine, Apricot and Olive.

Having an ASTM penetration of 50 with the 50 gram weight attached, CERCON has a wide scope of commercial uses. In many of these uses it offers the manufacturer or compounder a substantial saving over the material now in use, such as ceresin and ozokerite.

Without attempting to further analyze the application of CERCON to any given product or process, we offer test samples to any interested user of this type of material.

Your inquiry will be promptly acknowledged

The Conewango Refining Co.
WARREN, PENNSYLVANIA

Oil, Paint and Drug Reporter

Founded October 18, 1871, by William O. Allison

Published every Monday by Oil, Paint and Drug Publishing Company, Inc. Harry J. Schnell, President and Treasurer; Frank V. Baldwin, Vice-President; Daniel G. Bogert, Secretary. Address 12 Gold Street, New York, New York. Telephone JOhn 4-2357. Cable Address Reporter New York.

Incorporating the Drug, Paint and Oil Trade, the New York Drug Bulletin, The Weekly Drug News, the New York Druggists' Price Current, The Soap Makers' Journal, the Oil and Paint Review and International Petroleum Reporter.

Subscription rates including postage in the United States, possessions and territories, one year, $5.00; two years, $8.00; Canada and Newfoundland, one year, $7.00; two years, $12.00; other foreign countries, one year, $10.00; two years, $18.00.

Entered at the Post Office of New York as second class matter January 15, 1884, under the act of March 3, 1879.

Copyright, 1937, by Oil, Paint and Drug Publishing Company, Inc.

Vol. 131 February 15, 1937 No. 7

Consumers Will Know

One of the most costly items in the recognizedly excessive cost of distribution is that of living up to the motto, "The customer is always right." Being epigrammatic, this statement, of course, is not accurate, but the seller is so persistently wrong in judgment and in practice in connection with his dealings with the ultimate consumer that the odds are long in the customer's favor.

It is because consumer organizations know this and can show it that these groups have acquired an economic power of an importance that is astonishing to most of those against whom it is more and more being exerted. The more astute sellers' groups are rapidly expanding their awareness of the power of the consumer and are endeavoring so to direct the latter's influence as to minimize the eventuality of destructive results. The sellers are endeavoring to meet consumers more than half way.

The consumers' drawback is that they are not able to judge values otherwise than by comparisons. This is the handle that has been seized by more or less authentic and upright organizations to steer consumer acceptance into certain channels. Some good has been done by these organizations—and they have at times misled their clients from ignorance and from less excusable motives.

Because of their lack of satisfaction with the services of such groups consumers have sought, and are more and more seeking the creation of merchandise standards by law. It is not easy to understand why they have not made much progress since the enactment of the Federal food and drugs act in 1906 first crowned their efforts. It is far easier to see that they are now in position to extend the idea of statutory standards to other lines.

In recognition of this possibility some sellers are inviting co-operation of consumers in the setting up of intelligible standards for merchandise. This movement gets only lip service from those who persist in efforts to block the outlawing of deceptive price methods. But, these methods are passing; and when they go, selling on a quality basis must come—and there will be real standards of quality.

Drug Control By Consumers

The movement for a closer association of the consumer with the regulatory functioning of government is brought close to reality in legislative bills designed to revise and extend the food and drugs act of the State of New York. It is proposed in these bills that the administration of the new law shall be in the hands of a plenarily empowered consumers' bureau in the department of health. And the declared purpose of the proposed law is the protection of the consumer—not of his health alone.

The drug and cosmetic industries, and those who direct their advertising, will find much to concern them seriously in the new food, drugs, and cosmetics law proposed for this State. Because this legislative proposal is among the first to come out of a movement that will extend to all the States, those who would be affected by such laws are faced with an imperative call to action. The objective of the activity that is practically forced upon them is the prompt enactment by Congress of an adequate revision of the Federal food and drugs act.

The badly needed revision of the Federal act has been far too long deferred. The inevitable consequence of this delay was clearly forecast in the enactment of a new law in Louisiana last year. Those who, for one reason or another—most of them good—desire a better Federal act are behind the movement to remedy the deficiencies of the Federal law by means of legislation in the several States. They are not concerned with the troublesome lack of uniformity to which forty-eight separate and perhaps widely differing State laws will give rise. They are not concerned with the burdensome aggregation of registration fees which these laws will exact. They want better control of practices that need controlling; and it should be clear that they will get it.

Uniformity of regulatory legislation is highly desirable, both with respect to the relation of State laws to a Federal act and to the relation of the laws of the several States one with another. Without a basic Federal act such uniformity, difficult to get at best, is impossible. Only through earnest, active furtherance of prompt revision of the Federal food and drugs act can it be hoped now to avoid a variety of State regulations that will be destructive.

—O-P-D—

Price-Cutters Must Cut

There is amusement, of a sardonic sort, in the loudly voiced sentiment of opponents of fair trade legislation, that the small retailer will not be protected by resale price-maintenance. But, nobody tells why the big retailers are nevertheless antagonistic to this further demoralization of those they treat as a public enemy.

The opponents of mandatory honesty in trade do offer an explanation of their prediction. They say that they will push private wares at prices so low as to decimate the volume of sales of branded articles. They expect it to be believed that they have not always exerted their utmost efforts to do this very thing and that they could further develop this larger part of their business if deprived of their only potent developer—the cutting of a known price.

It is argued against giving a manufacturer a means of protecting his goodwill in a branded article that this is invalid delegation of legislative power. It is argued also that legislatures have no right to fix prices—many State constitutions say so. So, there often is no legislative power to be delegated, and it is fundamental in respect of constitutions that the rights not given to legislative bodies are reserved to the individual. There is no real constitutional difference between the right to protect a trademark and the right to protect the price of a trademarked article; although a different means may sometimes be required.

Most arguments against fair trade legislation reduce themselves quite easily to the absurdity that the buyer alone should determine what he will pay for an article. Very often he does, and some are fearful that he will increase his activities in this respect through co-operative buying. The extent to which the customary methods of distribution would suffer from this development is to be measured by the appeal of price. Service, convenience, and quality would acquire still greater weight in the evaluation of distributive agencies—and this would not be to the advantage of the price-cutter.

—O-P-D—

World Trade Can't Balance

Doubtless there were political groups in the early years of civilization, which, by reason of their small size and limited wants, were able to maintain for greater or less periods an economic balance. Doubtless also their neighbors did not overlook any opportunity to wreck this balance. Growth in numbers and in needs, coupled with ever-increasing external pressure, in time made national economic balances practically impossible. This has not stopped efforts to create them, or deterred all from attempting to surmount the greater difficulties which attend the ideal of an economically balanced world.

In most nations the efforts for internal economic balancing, although never successful, were for centuries directed along lines that made an international balance, even one of limited scope, impossible. The larger vision—or imagination—of recent years has not served appreciably to lessen the impossibility, and it is difficult to believe that even those who declare the desirability and the necessity of an economically balanced world are convinced that this could be attained, much less maintained.

Hence theories continuously clash. In this country their battling ground is the tariff and, more recently, its appendages, the flexibility system and the tariff bargaining scheme. So, there is nothing unusual in the concurrent existence in Congress of bills to move certain duties upward, and bills to cut others down; a bill to make a general reduction in tariff rates, and a bill to make a general increase, even wiping out the free list. This is the way in which economic balances are sought. On neither side of the scale is there a permanent, a standard weight; there cannot be.

No two nations have the same point of view or the same purpose in advocating international economic balances. With the occasional exception of certain altruists in the United States, each of these advocates primarily desires that all the others apply antiobesity treatment to their trade. There is no way in which all contestants can be forced to train down—or up—to the weight of the class in which they are qualified to compete—all want to be extra-heavyweights—so, world trade and its tariffs will continue on a catch-weight basis.

• UNIFORMITY — THE ESSENCE OF QUALITY •

PFIZER QUALITY

BISMUTH SUBCARBONATE

BISMUTH SUBNITRATE

BISMUTH SUBGALLATE

ESTABLISHED 1849

CHAS. PFIZER & CO., INC.

81 MAIDEN LANE, NEW YORK

444 W. GRAND AVE., CHICAGO, ILL.

Control Insecticide For 1937 Available

The National Association of Insecticide and Disinfectant Manufacturers has ready for distribution the official control insecticide for 1937.

It is available to members of the association and all other non-commercial individuals and institutions at $1.00 per bottle, plus postage, and $3.00 per case of 12 bottles, plus postage. The price to all commercial concerns not members of the association is $1.00 per bottle, plus postage, and $5.00 per case of 12 bottles, plus postage. The association calls particular attention to the mimeographed sheets accompanying each bottle—"Official Method of Evaluating." Results are not valid unless they conform to these prescribed conditions.

The office of the secretary of the organization, at 122 East Forty-second street, this city, will make prompt shipments on receipt of order.

Fuel oil consumption in the production of electricity for public use in the United States in 1936 amounted to 14,110,000 barrels, compared with 11,393,000 barrels in 1935.

Sundurland Goes to Canada

Howard M. Sundurland, of the New York office of the American Cyanamid Company, Rockefeller Plaza, has been transferred to the Montreal office of Dillons-Klipstein, Ltd., an American cyanamid subsidiary. Mr. Sundurland, a graduate of the University of Vermont, has been affiliated with the Cyanamid company for about thirteen years, and has, in recent years, been specializing in the sale of tri-basic soda phosphate, bauxite, aqua ammonia, and kindred items. He has been succeeded in the New York office by W. F. Phillips, who has been associated with the Cyanamid company since the absorption of the Kalbfleish Corporation in 1929.

Bauxite Ore Concentrates Dutiable Under Paint Rate

The United States Court of Customs and Patent Appeals has decided that bauxite ore concentrates, grade "H" leached, unground, was properly dutiable at ½ cent per pound, and not 30 percent ad valorem as an earthy or mineral substance. Judge Garrett decided this in the case of C. J. Tower & Sons vs. the United States, overruling the United States Customs Court.

The wording of paragraph 6 of the Tariff Act of 1930 was the deciding factor in the case. The disputed wording was "Aluminum hydroxide or refined bauxite, one-half of 1 cent per pound." The substance imported by Tower was proved to be a form of refined bauxite, although not aluminum hydroxide, which is the common commercial form of refined bauxite. The United States contended that the wording, "Aluminum hydroxide or refined bauxite" meant that only the aluminum hydroxide form of refined bauxite and not the aluminum oxide form of refined bauxite was dutiable at one-half of 1 cent per pound; and that since this form of refined bauxite imported by Tower was the aluminum oxide form, it should be classed as an "earthy or mineral substance" and dutiable at 30 percent ad valorem.

The court held that the term refined bauxite included both the aluminum hydroxide and the aluminum oxide forms for purposes of customs classifications and that the substance imported should be taxed accordingly at one-half of 1 cent per pound.

NATIONAL ANILINE

INDUSTRIAL CHEMICALS

FOR INDUSTRY

A comprehensive line of Coal-Tar Derivatives serving the following Industries:
TEXTILE · SYNTHETIC RESIN · PAINT · LACQUER · MINING · WOOD PRESERVATION · INSECTICIDE · GERMICIDE · RUBBER · GASOLINE AND OIL · STEEL · EXPLOSIVE · PHARMACEUTICAL

FOR RESEARCH CHEMISTS

Outlets offering possibilities of eventual commercial use may obtain for experimental and development purposes the following Dicarboxylic Acids.

DICHLORO SUCCINIC ACID
DICHLORO SUCCINYL CHLORIDE
ISO DICHLORO SUCCINIC ACID
ISO DICHLORO SUCCINIC ANHYDRIDE
MONO CHLORO MALEIC ANHYDRIDE
PHTHALIMIDE
PHTHALANILIC ACID
POTASSIUM PHTHALIMIDE
POTASSIUM SUCCINIMIDE
SUCCINCHLORIMIDE
SUCCINIMIDE
SUCCINYL CHLORIDE

We Invite Inquiries Concerning Your Needs for These and Other Coal-Tar Products

NATIONAL ANILINE & CHEMICAL COMPANY, INC.

Intermediates Division — BOwling Green 9-2240
40 RECTOR STREET — NEW YORK, N. Y.

Branches and Distributors Throughout the World

NATIONAL QUALITY

INTERMEDIATES

Copper Output Increased 61 Percent During 1936

Imports, Exports and Reserve Stocks Showed Drop During Year

Smelter production of copper from domestic ores in 1936 in the United States was approximately 1,226,000,000 pounds, according to a preliminary report of the United States Bureau of Mines, an increase of 61 percent over the production of 1935. The total is based on actual production reports from smelters for the first eleven months of the year and an estimated production of 133,000,000 pounds for December.

Production of new refined copper from domestic sources, determined in the same manner as smelter production, was approximately 1,226,000,000, compared with 676,642,866 pounds in 1935. The output of new refined copper from domestic and foreign sources in 1936 amounted to about 1,615,000,000, compared with 1,177,610,797 pounds in 1935. The production of secondary copper by primary refineries increased from 296,955,765 pounds in 1935 to about 309,000,000 pounds in 1936. Thus the total primary and secondary output of copper by the refineries in 1936 was approximately 1,924,000,000 pounds, compared with 1,474,566,562 pounds in 1935.

Total imports of unmanufactured copper during the first eleven months of 1936 amounted to 331,597,168 pounds, compared with 514,364,526 pounds for the entire year, indicating that figures for the twelve months of 1936 will show a decrease of possibly 30 percent from 1935. From January through November, 1936, the amount of copper withdrawn from warehouse for smelting, refining and export was 294,770,561 pounds, compared with 445,443,239 pounds in the entire year of 1935. Figures for imports and exports are obtained from records of the Bureau of Foreign and Domestic Commerce.

The imports for the eleven months of 1936 were:—

	Pounds.
Ore (copper content)	25,635,559
Concentrates (copper content)	53,138,059
Regulus, black or coarse copper (copper content)	2,719,226
Unrefined black blister and converter copper in pigs or converter bars	237,945,904
Refined in ingots, plates or bars	8,970,423
Old and clippings for remanufacture	3,187,997
Total	331,597,168

Exports of metallic copper during the first eleven months of 1936 amounted to 471,084,413 pounds, compared with 590,396,106 pounds exported during the entire year of 1935. The bureau reports it is likely the total for the entire year 1936 will be 10 percent or more below that for 1935. Refineries estimated that at the end of 1936 approximately 210,000,000 pounds of refined copper would be in stock, a decrease of 40 percent from the reserve at the end of 1935.

N.Y. Paint Association Plans Anniversary Fete

Plans for a gala celebration of the New York Paint, Varnish & Lacquer Association's fiftieth anniversary and "Ladies' Night" meeting to be held in April, were discussed at a brief business session at the regular January dinner-meeting of the association at the Hotel Biltmore, this city. G. Austin Wharry, chairman of the entertainment committee, is in charge of arrangements for the April party and is now accepting reservations.

Approximately 175 members and guests attended the meeting and approved unanimously of a motion to alter the constitution and by-laws of the organization and the most important of the changes was one to eliminate the availability of membership to wholesalers and another which would change the association's fiscal year. New members admitted to the association were James Rose, of Rose Varnish Company, and A. E. Jacobs, of Dings & Schuster, Inc.

Naphtha Freights Reduced

The New York Public Service Commission has approved new commodity freight rates as follows:—

Of the New York Central (East) and West Shore railroads, on petroleum naphtha, tankcars; from Albany, Green Island, Rensselaer, and Schenectady, to Utica, 11 cents per hundredweight; reduction; effective January 1.

Heavy Chemicals

Further Advance in Copper Acetate—Other Copper Derivatives Strong—Tin Salts Steadier—Soda Silicofluoride Firm—Broad Demand for Bleaching Powder—Copperas Active

Business in the market for industrial chemicals continued active during the week just closed. Manufacturing industries consuming chemicals continued to operate at relatively high levels, an exception being the automobile trade, operations to some degree being hampered by labor disturbances. Prices displayed a steady to firm tone.

Copper derivatives were firm toward the latter part of the week, for reports in the copper market were that a fractional advance was in the offing. Considerable conversation was heard in the copper market regarding the current 4c. per pound excise tax on imports into this country. Some of the independent fabricators were holding a series of meetings last week in order to determine whether definite action should be taken looking toward an elimination of the tax. However, considerable opposition to any attempt to lift the duty on foreign copper was voiced, particularly from purely domestic producers and from some of the important copper mining states.

Demand from the textile industry indicated that some branches of that trade were operating at exceptionally high levels, and orders on the books in some units were said to be exceptionally heavy. The automobile industry continued to be the factor retarding the call from many chemicals, inasmuch as the labor strike in General Motors plants has not been settled before Thursday. Reports from Akron last week told of the settlement of the strike in the rubber tire trade. Soda ash and caustic soda continued in good demand. Soda silicofluoride was firm, the call from the laundry trade as well as from the ceramic industry was good. Business in bleaching powder continued in excess of supplies. Copperas was active. Steel mill operations were higher. Sulphuric acid demand was good. Revision in prices for tungstic metal and soda molybdate as well as for soda tungstate were not entirely confined to last week.

Alum.—The market for alumina sulphate, both commercial and iron-free, continued fairly active during the week just ended. Prices were unchanged. There was little to report in the market for ammonia and potash alums, and quotations were unchanged.

Ammonia, Anhydrous.—This product was in slow demand, reflecting an off-seasonal interest, but prices were well maintained, for a good volume of business was on the books for delivery later in the year.

Ammonia Aqua.—This market underwent little change during the course of the week just closed, sellers reported quotations were steady to firm. Demand indicated that consumers were covering for actual wants only.

Ammonia Oxalate.—Business here continued to be subjected to keen competition, but no change was noted in open quotations, sellers were quoting prices established in the preceding period.

Ammoniac, Sal.—Demand continued at a good pace for both the white and gray material, and prices in both instances were well maintained.

Antimony.—The market for antimony metal continued quiet during the week, sellers were asking prices in effect in the preceding period.

Antimony Oxide.—Interest in this market continued to be furnished largely by the ceramic trade. Quotations were well maintained.

Arsenic.—A good call was reported for white arsenic, sellers were asking previous quotations. The market for red arsenic was quiet again last week, and quotations were well held.

Barium Salts.—Business in the market for chloride continued fairly active during the week, and a firm tone ruled. The call for carbonate was highly irregular, but no change was uncovered in the quotations. A firm tone prevailed in the market for hydrate and nitrate, shipments were moving out at a fair pace.

Bleaching Powder. — Business here was excellent; in fact, sellers reported the call was in excess of supplies on hand. The shortage having been made acute by the heavy tonnage moving for use in the flood districts. Prices were decidedly firm.

Blue Vitriol.—A good inquiry was reported for this material again last week, and a decidedly strong tone was in evidence, for reports Wednesday were that an increase in the price for copper was likely before the termination of the week.

Calcium Chloride.—A broad buying movement continued in prominence for this material again last week, sellers reporting prices were without change. Shipments were moving to Western part of the country at a good pace, to be used in ice-control work.

Copper. — Reports in the market Wednesday were that the price for copper was expected to be advanced to 13½c. per pound, the increase of ½c. per pound being based on the strength in evidence in the export market. The trade was discussing with interest the meeting held by the independent copper fabricators, wire drawers and producers of electrolytic copper regarding the present 4 percent duty on copper. Discussion was given to the possibilities of removal of the 4c. per pound duty, in order that copper may enter this country from Canada, Mexico and South America so that the shortage would be relieved. However, another group of copper producers were working actively for an extension of the 4c. per pound duty. The present duty rate expires June 30, 1937.

Copper Acetate.—An increase of ¼c. per pound was reported in this product, sellers were asking 23c. per pound for shipments in 220-pound barrels and 25c. per pound in 50 and 100-pound kegs.

Copperas.—A good demand was reported for this product during the week, with an active inquiry reported from the Mississippi valley district. Sellers reported prices were decidedly firm, for buying previous to the entrance of the demand from the flood region was sufficient to give the market a decidedly firm tone. Steel mill operations were up to 80.6 percent of capacity.

Feldspar.—An active interest was reported for this product, the glass making industry and pottery trade continued to operate at good production levels. A firm tone ruled the dealings.

Fluorspar.—This situation underwent little change from recent weeks, demand being in excess of supplies. The steel mills have been operating at a high level for some months, bringing about a shortage in this product, and which shortage has been made acute by the fact that some mines are reported hampered in production work because of the flood. Prices continued strictly nominal.

Magnesite.—Business here was irregular throughout the week, but prices were well maintained.

Nickel Salt.—Shipments moving for account of the plating trade continued heavy, and prices for single and double salts were firm. No change was dis-

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Price Changes

Prices were changed during the past week as follows:—

Advanced

Copper acetate ¼c. per lb.
Tungsten metal, 10c. per lb.

Reduced

Soda molybdate, 5c. per lb.
Soda tungstate, 5c. per lb.

Comparative Values

Index numbers compiled from twelve typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
153.9	153.9	153.8	153.3

Index numbers compiled from twelve typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
99.4	99.4	99.4	99.4

Market news that may have developed after this report was sent to press will be found on page 4.

BARIUM HYDRATE
BARIUM REDUCTION CORPORATION SOUTH CHARLESTON, W. VA.

PIONEER
SUPPLIERS OF CHEMICALS FOR OVER 70 YEARS
LIQUID CAUSTIC SODA
TANK TRUCKS—DRUMS
Local delivery tank truck service throughout the Metropolitan New York area.
JOSEPH TURNER & CO.
38 EXCHANGE PL. PROVIDENCE R. I.
630 FIFTH AVE., NEW YORK
40TH ST. & CALUMET AVE. CHICAGO

FINEST QUALITY
BICARBONATE OF SODA
SAL SODA (Carbonate of Soda Crystals)
MONOHYDRATE OF SODA
PIONEER WASHING SODA
CHURCH & DWIGHT CO.
70 PINE STREET Phone Digby 4-2181 NEW YORK CITY

SODIUM SILICO FLOURIDE
AMMONIUM SILICO FLUORIDE
AMMONIUM ACID FLUORIDE
SODIUM ACID FLUORIDE
STANDARD, DOMESTIC MATERIAL. INQUIRIES SOLICITED FOR SPOT, FUTURE AND CONTRACT
HENRY SUNDHEIMER, INC.
Telephones: AShland 4-4817-4818 103 PARK AVE., NEW YORK, N. Y.

CAUSTIC SODA
Stauffer
. . . . constantly dependable for half a century
BORIC ACID · CARBON TETRACHLORIDE · BORAX · TITANIUM TETRACHLORIDE · CAUSTIC SODA · SULPHUR CHLORIDE · SULPHUR · SILICON TETRACHLORIDE · CREAM OF TARTAR · SULPHURIC ACID · CARBON BISULPHIDE · TARTARIC ACID
STAUFFER CHEMICAL COMPANY
624 California St., San Francisco, Cal. • 2710 Graybar Bldg., New York, N. Y. • Freeport, Texas
Carbide and Carbon Bldg., Chicago, Ill. Rives-Strong Bldg., Los Angeles, Cal.
Stauffer

BLUE VITRIOL
IRVINGTON SMELTING & REFINING WORKS
IRVINGTON NEW JERSEY
NEW YORK OFFICE
30 CHURCH ST.

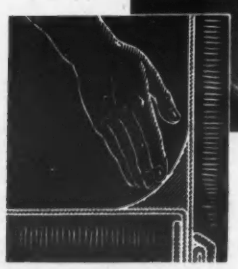
If you have any commercial interest in the chemicals we manufacture and you require information pertaining to them, we offer our services on a confidential basis. Our many years of intensive and practical study have given us knowledge which is available to anyone who has a definite and proper use for it.

Oldbury
Electro-Chemical
Company

Plant and Main Office:
Niagara Falls, New York

New York Office:
22 East 40th Street, New York City

Phosphorus and phosphorus products. Sodium chlorate.
Potassium perchlorate. Oxalic acid



INSURE AGAINST CONTAMINATION IN THE CONTAINER

When thorough cleaning of drums is an essential requirement Hackney drums with arched chime—fillet weld construction—are used. The specially constructed chime together with the smooth, flawless, interior surface enables them to be cleaned easily and quickly.

Damage to the contents resulting from rust or residue is avoided.

Hackney drums and barrels have been scientifically designed and constructed for the safe, economical handling of the products shipped by the chemical industry.

Fast, easy, low-cost handling is assured by sturdy I-bar rolling hoops. Toggle-tite removable heads and the proper balance between strength and weight. Write for complete information.

PRESSED STEEL TANK COMPANY
208 S. La Salle St., Room 1143, Chicago
662 Roosevelt Bldg., Los Angeles
1319 Vanderbilt Concourse, New York
6615 Greenfield Ave., Milwaukee

Containers for Gases, Liquids and Solids

closed in the market for carbonate, oxide or chloride.

Potash Carbonate.—The textile industry continued to furnish a good demand for this product. Prices remained firm.

Potash, Caustic.—This situation was much the same as in the preceding period, with shipments moving at a good pace to routine consumers and prices were well held.

Potash Chlorate.—The call coming from the match manufacturers and other routine consumers was fairly good. Prices were well held.

Potash Permanganate.—A fair amount of business was transacted in this direction again last week. Prices were unchanged.

Saltcake.—Demand was fairly good during the period just closed, with the glass trade as well as the textile and paper industries showing a favorable interest toward shipments. Prices were unaltered.

Soda Acetate.—A good inquiry was reported for this material again last week. Prices ruled unchanged.

Soda Ash.—A substantial demand was registered in this market again last week, the call originated in the usual quarters of consumption. Prices ruled firm at levels in effect previously.

Soda, Caustic.—This market presented little change from recent weeks, shipments were reported moving out in consistent fashion, and prices were well maintained.

Soda Cyanide.—The plating trade and other routine consumers were ordering out supplies at a fair pace during the week. Prices were unchanged.

Soda Fluoride.—New developments were lacking in this direction. Routine consumers furnished the inquiry. Prices were well held.

Soda Molybdate.—Sellers were quoting the anhydrous technical material at 65c. to 70c. per pound, and the crystals were priced at 55c. to 60c. per pound.

Soda Phosphate.—A firm tone prevailed in the market for tribasic soda phosphate during the week. A good call was reported for dibasic soda phosphate, sellers reporting quotations were in conformity with the schedule in effect previously.

Soda Silicate.—Shipments were moving out at a good pace again last week. No change was uncovered in the price structure.

Soda Silicofluoride.—The laundry trade as well as the ceramic industry continued to furnish a good call for this material during the week. Quotations were in line with previous values.

Soda Tungstate.—The market for chemically pure soda tungstate continued quiet, prices were unchanged. The technical material was slightly lower at 80c. to 85c. per pound, according to quality.

Tin Salts.—The market for tin crystals was quiet last week, but the price tone was slightly steadier, for Straits tin advanced Wednesday to 50.35c. per pound. No change was noted in prices for tin crystals.

Tungsten Metal.—Prices for 99 percent material were listed at $2.05 to $2.15 per pound, and 98 percent was priced at $1.90 to $2 per pound. No change was uncovered in the chemically pure or technical oxide.

Acids

Business in the market for mineral acids continued fairly good during the week just closed. Manufacturing consumers were ordering out supplies at a pace sufficient to cover for immediate production requirements. A steady to firm tone governed this section of the chemical market. Sulphuric acid shipments were moving out at a good clip. There was little to report in the market for chromic acid, the plating trade was withdrawing shipments at a fair pace, and a firm tone was in evidence. Business in the market for muriatic acid was fairly good. Nitric acid was firm. A routine demand was reported for battery acid.

Acetic.—A good demand was reported for this product again last week. Prices were firm.

Battery.—No change was disclosed in this direction, prices were holding firm and demand continued fair.

Boric.—Shipments were moving against contracts at a good pace throughout the week. A firm tone governed the dealings.

Chromic.—Buying by the plating trade continued good throughout the period under review. A firm tone ruled the dealings.

Formic.—This market presented little change during the course of the week just ended. Routine consumers were supplying a fair demand, and prices held steady.

Lactic.—The tanning industry and other routine consumers were withdrawing fair-sized quantities during the week. A steady to firm tone governed the dealings.

Muriatic.—A representative buying movement was in evidence again last week, for some industries consuming this product were operating at good production levels. A steady to firm tone was in prominence.

SERVICE
UNIFORMITY
QUALITY
VICTOR
FORMIC ACID
85% and 90% Strengths
Noted for its purity, uniformity and stability. Will not darken when exposed to light. Will not cloud up when diluted. Free from sulphates and chlorides.
VICTOR
CHEMICAL WORKS
141 W. JACKSON BLVD., CHICAGO, ILL.

E. De HAEN'S PREPARATIONS
for Standard Solutions
At leading Laboratory Supply Houses
FIXANAL
Pfaltz & Bauer, Inc.
EMPIRE STATE BUILDING, NEW YORK

Ammonium Silicofluoride
Fine Free Flowing Material
Kegs, Barrels, Carloads, Contracts
AMERICAN FLUORIDE CORPORATION
NEW YORK PHILADELPHIA DALLAS LOS ANGELES

Nitric.—A firm tone prevailed in this market again last week, shipments were moving out in consistent fashion. No change was uncovered in the quotations.

Sulphuric.—Business in this market continued good throughout the week. Quotations were firm. December sulphuric acid statistics as reported by fertilizer manufacturers to the Department of Commerce places the production at 182,217 tons against 176,500 tons in November and 178,823 tons in December last year; received from fertilizer manufacturers, including exchange transfers, 43,844 tons in December, against 30,185 tons in December last year and 39,203 tons in November, 1936, received from other than fertilizer manufacturers, 34,272 tons in December, against 44,523 tons in November and 22,402 tons in December last year; consumption by reporting establishments in manufacture of fertilizers, 180,560 tons, against 175,123 tons in November, and 132,508 tons in December last year; shipments to fertilizer manufacturers, including exchange transfers, 37,840 tons, against 27,388 tons in November and 38,363 tons in December last year; shipments to other than fertilizer manufacturers, 44,860 tons, against 57,756 tons in November, and 51,116 tons in December last year; stocks on hand at the end of December, 71,636 tons, against 74,563 tons in November and 92,253 tons in December last year.

BALTIMORE, Feb. 9.—New developments in the market for sulphuric acid are lacking what with the great bulk of the business from users of acid placed early in December or during that month. Some requirements will still assert themselves from time to time, but the large commitments have been entered into for the needs of the current twelve months, and quiet may be expected to continue. The business placed was generally negotiated at figures dictated in each case by the attendant circumstances, with the nominal range at $12 per ton for 60 degree and at $15 per ton for 66 degree acid. There seems to be no lack of pyrites, so that plants fitted up for the use of this ore are able to go ahead with their operations and will not find it necessary to effect a conversion of appliances to make them available for the use of brimstone. Shipments of pyrites are quite satisfactory now, with the chance of the foreign supply being cut off made more remote. Much the same state of affairs prevails with regard to oleum, which is held at $16.80 per ton. Talk of an advance in the quotations persists, but no quotable rise is to be recorded.

Tungstic.—This market continued to enjoy a good demand, and sellers were asking $2.45 to $2.70 per pound for chemically pure material and the technical product was listed at $1.50 to $1.60 per pound.

Insecticides

The market for agricultural insecticides and fungicides was quiet during the week just closed. The dealings continued to be featured by a strong tone in lead arsenate. Calcium arsenate was slow, but sellers were reported to have a good volume of business on the books for delivery later in the year. There was little to report in bordeaux mixture, demand being spotty and prices were unchanged. The call for nicotine sulphate was highly irregular, but no change was uncovered in quotations.

Bordeaux Mixture.—A firm tone ruled this market again last week. Prices held unchanged. Demand was dull.

Calcium Arsenate.—This market offered little change from recent weeks, a firm tone governed the dealings, and a good volume of business has been written for delivery later in the year.

Lead Arsenate.—A strong tone prevailed in this market again last week, shipments were moving out at an irregular pace.

Nicotine Sulphate.—Demand here was fair during the week. Prices were unaltered.

Methanol Output in 1936

Production of crude methanol in 1936 totaled 5,575,038 gallons, compared with 5,048,720 gallons in 1935, and with 4,121,647 gallons in 1934. The manufacture of synthetic methanol totaled 25,563,742 gallons in 1936, 18,046,929 gallons in 1935, and 12,534,424 gallons in 1934. The refined equivalent of crude methanol production would be approximately 62 percent. During 1936, 571,180 cords of 128 cubic feet were carbonized. These data were obtained from returns made to the Bureau of the Census, Department of Commerce, by 33 manufacturers in 1936 and 1935, and by 36 in 1934.

Chemical, Industrial Oil Imports Up 24 Percent

Imports into the United States of chemicals, industrial oils, and other raw and semi-manufactured materials required by chemical and related product manufacturers advanced sharply in 1936, the demand being particularly active for such materials as are not obtainable locally or were produced in insufficient quantities to satisfy domestic requirements, according to C. C. Concannon, chief of the Chemical Division of the Bureau of Foreign and Domestic Commerce.

Receipts of such materials from foreign countries reached a total value of $148,500,000 during the year compared with $120,000,000 in 1935, $96,000,000 in 1934 and $70,000,000 in 1933. The 24 percent. increase was noted as clearly reflecting the accelerated domestic industrial activity which obtained throughout the year.

Approximately 30 percent of the 1936 total (value basis) consisted of industrial chemicals, of which fertilizer materials accounted for 24 percent; drying oils, 19 percent; crude drugs and their derivatives, 13½ percent; and gums, resins and waxes, 9½ percent.

Receipts of industrial oils were especially heavy during the year but imports of flaxseed, from which linseed oil is expressed, declined from 17,559,600 bushels to 15,365,000 bushels. Compared with 1935 imports of tung oil increased from 120 million to 135 million pounds and perilla from 72,000,000 to 118,000,000 pounds.

Other outstanding gains included fertilizer materials, imports of which increased from 1,374,242 tons to 1,515,700 tons in quantity and from $28,561,000 to $33,394,000 in value; industrial chemicals from $16,145,000 to $20,960,000; codliver oil from 4,607,000 gallons to 5,789,000 gallons; casein from 3,229,700 pounds to 16,209,000 pounds; and carnauba wax from 10,420,000 pounds to 12,500,000 pounds.

Declines were recorded in receipts of dyeing and tanning materials, gums and resins, paint materials, industrial explosives, soaps and toilet preparations, and matches.

T.G.A. Asks Beauty Editors Aid in Fight on Excise Tax

Speakers at a luncheon, tendered by the Toilet Goods Association to the beauty editors of the woman's and daily periodicals, and representatives of the trade press in the Hotel Biltmore, requested the co-operation of the columnists in informing the purchasing public as to the discriminating manner in which cosmetics are treated under the excise tax law.

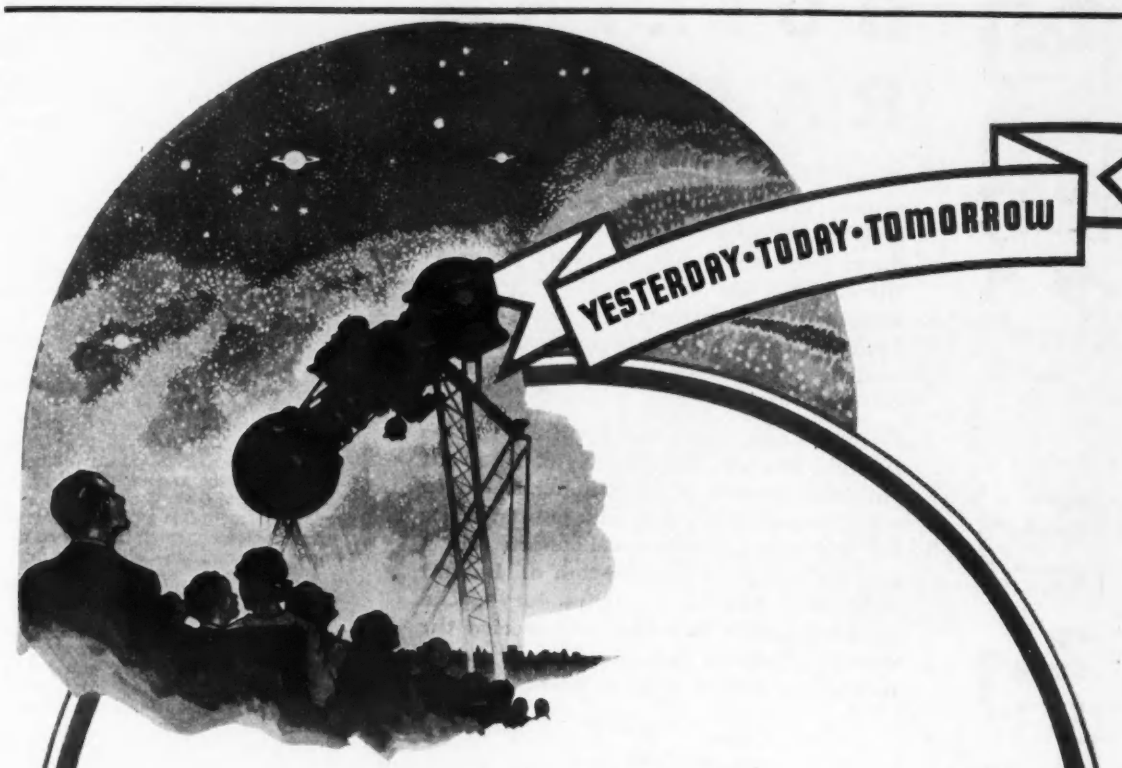
Herman L. Brooks, president of the association, who presided at the luncheon, stated that the toilet goods excise tax, which is absorbed by the manufacturer in most cases, was becoming increasingly burdensome with the general rise in the prices of cosmetic raw materials. He warned that it was not improbable that cosmetic manufacturers, faced with these advancing costs, would be forced to either raise the prices of their finished articles, or decrease the package sizes of their products. The removal or a lowering of the excise tax would restore a margin of profit to the manufacturer and tend to eliminate the possibility of these steps being taken, he said.

Mark Eisner, counsel for the association, presented a brief history of the excise tax since its passage in 1932. It is no longer possible to class cosmetics as luxuries, he said, for they have become commonly used items. He then called to the attention of the editors the discrimination existing in the cosmetic excise tax in that toilet goods, except soap, are still taxed 10 percent, while the levies on other so-called luxuries have been reduced. He cited the case of furs, which are taxed only 3 percent. In summation he called upon the editors to confer with their superiors as to the possibility of publicizing the unfair hidden tax existing in the cosmetic excise levy.

Rosin Freights Authorized

In the case of fourth section application No. 16400 on rosin to Cincinnati, from points in Alabama, Florida, and Georgia the Interstate Commerce Commission has granted authority, on conditions, to establish and maintain rates, carloads, without observing the long-and-short-haul provisions of the Interstate Commerce Act, section 4.

The relief sought was based on the fact that the petitioning railroads had a direct route, of shorter distance, to compete with on hauls from Jacksonville, Florida to Cincinnati; but certain intermediate points on the petitioner's route were not covered by the more direct route and petitioner wished to maintain a standard rate on the intermediate points while reducing the rate on the terminal point—Cincinnati—to compete with the more direct route to Cincinnati.



Because the movement of the universe responds to known and inflexible laws, a planetarium can recapture the heavens at any age in Earth's history or accurately forecast the sky of the future. And because Diamond Alkalies, too, are products of exact control, their user can eliminate possible uncertainties of the past and map his future course with assurance, insofar as his alkali ingredients are concerned. Throughout industry Diamond Alkalies are known as products of the highest quality, constantly uniform in strength and purity, and unfailingly dependable in supply.

DIAMOND ALKALI COMPANY
PITTSBURGH, PA. *and Everywhere*

Diamond Products

58% Soda Ash — Bicarbonate of Soda — 76% Caustic Soda
Carbon Tetrachloride — Diamond Soda Crystals
Modified Soda — Special Alkalies — Liquid Chlorine

DIAMOND ALKALIES

CHEMICALS

Barrett

COKE OVEN LIGHT OIL DISTILLATES

SHORT BOILING RANGES

Short boiling range at desired temperatures promotes quick completion of evaporation or drying processes and reduces loss of solvent in recovery operations. Close and careful cutting provides extremely short boiling ranges of Barrett Coal-tar Solvents. This holds true for coal-tar solvents of both low and high initial points.

Barrett Coke Oven Light Oil Distillates include Benzols, Toluols, Xylols, Solvent Naphtha and Hi-Flash Naphtha with a wide range of initial and end points. Write for our convenient specification chart and for complete information on Barrett Coal-tar Solvents. Inquiries for special solvents are invited and will receive the careful attention of experts in the manufacture and use of coal-tar solvents.

BENZOL
TOLUOL
XYLOL
SOLVENT NAPHTHA
HI-FLASH NAPHTHA

The TECHNICAL SERVICE BUREAU of The Barrett Company invites your consultation with its technically trained staff, without cost or obligation. Address The Technical Service Bureau, The Barrett Company, 40 Rector Street, New York.

THE BARRETT COMPANY
40 Rector Street, New York, N. Y.

BARRETT

Coaltar Chemicals

Cresylic Acid Shortage Acute—Tar Acid Oils in Good Demand—Benzol Active—Toluol Continues Firm—Creosote Oil Steady—Better Call for Crude Naphthalene

Business in the market for coaltar chemicals was excellent again last week. Several basic products were still in short supply, resulting in the market as a whole displaying a decidedly strong tone. Cresylic acid was the strong feature, although no change was disclosed in quotations up until a late hour last week. Crude naphthalene was in fair demand.

The situation in cresylic acid continued to be the subject of conversation in all quarters of the market. Imported prices reflected the strength in the market abroad. In discussing cresylic acid it was pointed out that prices have moved forward consistently in 1936, and have continued in a strong price position since the start of 1937. Reports from abroad stated that quotations were now approaching the 84c. per gallon level. The heavy export demand for cresylic acid in the British market has given rise to the opinion there that the possibilities of placing an embargo on exports from that market, in order to safeguard supplies for home consuming industries, were not entirely remote. However, no indication of such official action was noted, and such conversations in British trade circles were believed by important sellers here to be entirely within the realm of gossip. The cresylic acid situation in the United States has been in for more discussion since the recent record rising of the Mississippi and Ohio rivers, for a heavy demand by synthetic resin manufacturers has been augmented by a more than normal call from the disinfectant manufacturers.

The near approach of the active season for naphthalene refiners caused more interest in the market for crude naphthalene. The production of domestic naphthalene in 1937 was expected to exceed the 1936 output. At the same time, it was reported that offerings from abroad appeared somewhat freer. Sellers reported that imported prices ranged up to $3.05 per 100 pounds.

The market for toluol continued active throughout the week. Shipments have not slackened to any degree over the past few weeks. Reports from the automobile industry continued to tell of the efforts being made to settle the labor strike, but negotiations up until a late hour last week were said to be deadlocked. Xylol and solvent naphtha were in good demand; in fact, production was said to be just about equal to consumption. The market for phenol was good. Prices for creosote oil were steady. Benzol demand held up well, and prices were decidedly firm. Steel mill operations showed a rise to 80.6 percent of capacity, equaling the rate for the week beginning January 18, which was the highest since the American Iron and Steel Institute started to estimate the rate in the Fall of 1933. Settlement of the labor strike in the rubber tire manufacturing trade was reported. Business in the intermediates continued good. Betanaphthol, anilin oil and phthalic anhydride were moving out in good volume. Colors remained steady.

Price Changes

Prices were changed during the past week as follows:—

Advanced
None

Reduced
None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
123.1	123.1	123.1	125.4

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Business in this market continued good during the week just closed. Shipments moving for account of the rubber tire industry reflected a high level of production in that direction. Word from Akron stated that the labor unsettlement had been settled. Prices for benzol appeared steady to firm. Steel operation during the week were scheduled at 80.6 percent of capacity, an increase of 1 point or 1.3 percent from the previous period, according to the American Iron and Steel Institute. The rate for the current week equals that of the week beginning January 18, which was the highest since the institute started to estimate the rate in the Fall of 1933. The rate of operations a month ago was 78.8 percent and a year ago it was 52 percent. Tonnage of steel ingots produced during January was larger than in any previous January in history, according to a report released today by the American Iron and Steel Institute, showing output of 4,736,697 gross tons of open-hearth and Bessemer steel ingots during the month. Production in January was 7 percent above the output in the preceding month, 4,431,645 gross tons, and was more than 55 percent above the January, 1936, production of 3,045,946 gross tons. In January, 1929, industry produced 4,500,131 gross tons of steel. During January, output was calculated at 1,069,232 tons per week, 81.42 percent of capacity, which compares with 1,002,635 tons per week in December, which was equivalent to 76.55 percent of capacity. In January, 1936, the industry operated at 52.50 percent of capacity, producing 687,572 tons of ingots per week. By producing more than 81 percent of its capacity during January, the industry operated at the highest rate since February, 1930, when operations were at 84.47 percent.

Carbazole.—Prices for 98.5-99 percent material were listed at 75c. per pound for ton lots and $1 per pound for 100 pound lots. The 95 percent article was listed at 70c. per pound for ton lots and 85c. per pound for 100 pound lots. Prices are f.o.b. Indianapolis.

Cresol.—Business continued active, inquiries were reaching the market for quantities in excess of supplies. The heavy demand was brought about by the record rising of the Mississippi and Ohio rivers. Prices were decidedly firm.

Creosote Oil.—An active inquiry was reported for this product throughout the week just ended. Demand came from the public utility companies as well as from the major railroad systems and other routine consumers. No change was disclosed in quotations.

Cresylic Acid.—This market continued to move along at an excellent pace; in fact, the call continued far in excess of supplies on hand. The heavy demand from the flood area for disinfectants was a factor bringing about an acute shortage in this product, for the call from the synthetic resin industry has been equivalent to actual production. The opinion has been expressed in British trade circles that the heavy export demand for cresylic acid may develop into a situation where the British Government may find it advisable to restrict cresylic acid exports with the object of safeguarding supplies for the important home consuming industries. It was pointed out that the few examples of interference in the tar-products trade in the past have not, however, proved outstandingly successful. Export demand between the year 1934 and 1936, British trade circles pointed out, have increased from 1.6 to 2.3 million gallons, being greater than the increase in the volume of available supplies during the same two-year period.

Naphthalene.—A better demand was reported for crude material during the week just closed. Offerings from abroad were said to be somewhat freer than noted previously. Prices for crude imported ranged up to $3.05 per 100 pounds. Demand in the market for refined product was quiet, and sellers were reporting the price structure firm.

Phenol.—This market continued to note a good demand throughout the week just closed. Consumers were placing commitments for nearby production requirements, which, in most instances, were heavy, for the synthetic resin industry and dyestuff intermediate manufacturers were working on good production schedules. A decidedly firm tone governed the transactions.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Solvent Naphtha.—A substantial demand was reported for industrial water white solvent naphtha. Demand was said to be equivalent to production, giving the market a decidedly firm price appearance. The call for high flash naphtha was good. No change was disclosed in quotations.

Tar Acid Oil.—An active inquiry was reported for this material. Disinfectant trade and other routine consumers were placing a steady call. Prices ruled firm.

Toluol.—Shipments were moving for routine account at a good pace throughout the week. Sellers reported prices were decidedly firm. There was a firm tone in evidence. Reports from the automobile industry continued to tell of the deadlock in negotiation looking to a settlement of the trike in the General Motors plants.

Xylol.—This product continued to enjoy a good demand. Prices were unchanged.

Chicago Coaltar Bases

Chicago, Feb. 3.—Fairly good demand prevails for the bulk of the products in the coaltar bases market. There has been a little indication of slowing down of movement of some material for automobile finishes, but prices are mostly steady. Benzol is in fairly good tone. Ruling prices exclusive of tax are:—Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 10c. to 11c.; toluol, 30c.; 10-degree xylol, 33c.; solvent naphtha, 26c.; creosote oil, grade 1, 13c.

Coaltar Acids

Anthranilic.—A fair buying movement was reported in this market again last week. Sellers reported prices were steady to firm.

Benzoic.—Nothing new was uncovered in this direction, routine consumers were purchasing supplies commensurate with actual production requirements. Quotations were steady.

H.—This situation offered little change

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

NEVILLAC

A New Alcohol-Soluble Synthetic Resin

Nevillac possesses solubility in alcohols, hydrocarbons, esters and other industrial solvents and diluents—Compatibility with commercial gums and resins—Low acid value (5 or less)—Freedom from wax, dirt, moisture and insoluble matter—Uniformity of production.

• *Nevillac is readily adapted for use in spirit varnishes, nitrocellulose lacquers and wherever a low acid, spirit-soluble gum is required.*

Inquiries and sample requests invited

The NEVILLE Company
PITTSBURGH, PA.

4

J&L BENZOL

saves

TIME AND TROUBLE

because it is always uniform

ALL shipments of J&L Benzol you receive are exactly the same. Your specifications are met accurately every time you order. J&L Benzol Service includes, not only the most modern production methods, but a competent staff of consultants. If you have benzol problems yet unsolved, an interview with the J&L Benzol Consultant will be helpful. Once the proper specifications have been determined for your particular use, each shipment of J&L Benzol you receive will meet those specifications *exactly.*

Broad experience, notable achievements in many fields and a reputation for sound practice characterize J&L as a dependable source of supply. We will welcome an opportunity to discuss your problems or to make a test sample of benzol to your specifications.

J&L LIGHT OIL DISTILLATES

Commercially Pure Benzol *90% Benzol*
CXP Benzol *Reagent Benzol*
Pure Toluol *Xylols (Solvent Naphtha)*
Sulphate of Ammonia

JONES & LAUGHLIN STEEL CORPORATION
AMERICAN IRON AND STEEL WORKS
PITTSBURGH, PENNSYLVANIA

J&L STEEL

KOPPERS

IN many ways, Koppers is better fitted to serve the chemical and process industries than any other company.

It knows the problems of the chemical manufacturer, because it is a manufacturer of chemical products, including Benzol, Toluol, Xylol, Solvent Naphtha, Phenol, Cresol, Cresylic Acid, and Naphthalene.

It knows operating problems because it designs and builds many types of machinery and equipment used in producing chemicals.

Koppers is a large manufacturer of roofing, waterproofing, dampproofing, paints, paving materials and similar products.

It produces many types of special machinery, pipe, platework, materials-handling equipment, fire hydrants, piston rings, and is the only manufacturer of Fast's self-aligning Couplings for power shaft connections.

It knows the problems of metal corrosion and wood destruction, because it manufactures corrosion-inhibiting paints and is an important treater of wood.

Let the Koppers men work with you on your problems.

KOPPERS COMPANY
PITTSBURGH, PA.

Koppers Chemicals and Solvents
Benzol (all grades)
Toluol (Industrial and Nitration)
Xylol (10° and industrial)
Solvent Naphtha (including High Flash)
Phenol (82% and 90% Purity)
Cresol (U.S.P., Resin and Plasticizer Grades)
3° Meta Para Cresol
Cresylic Acid (Disinfectant Grades—98%, pale low-boiling. Insecticide Grades—98%, pure, high-boiling)
Naphthalene
Shingle Stain Oil
Refined Tars
Tar Acid Oils
Pitch Coke
Industrial
Coal Tar Pitches
Flotation Oils
Creosote

Other Koppers Products
Tanks and Tank Work
Benzol Recovery Plants
Naphthalene Removal Apparatus
Phenol Removal Apparatus
By-Product Gas Plants
By-Product Recovery Apparatus
Sulphur Recovery Apparatus
Coal Tar Roofing Materials
Waterproofing and Dampproofing Materials
Tarmac Road Tar Materials
Bituminous Base Paints
Coal
Coke
Fast's self-aligning Couplings
Fire Hydrants
Piston Rings
Gas, Air and Water Valves
Treated Lumber
Special Machinery

KOPPERS DIVISIONS—American Hammered Piston Ring Division . . . Bartlett Hayward Division . . . Engineering and Construction Division . . . Gas and Coke Division . . . Tar and Chemical Division . . . Western Gas Division.

KOPPERS SUBSIDIARIES AND AFFILIATES—Eastern Gas and Fuel Associates . . . Hiler Engineering and Construction Company, Inc. . . . The Koppers Coal Company . . . Koppers-Rheolaveur Company . . . The Maryland Drydock Company . . . The White Tar Company of New Jersey, Inc. . . . The Wood Preserving Corporation

during the course of the week under review, consumers being inclined to purchase when needs reached an urgent stage. Prices were unaltered.

Laurent's.—The call in this market was spotty, but sellers reported prices continued firm.

Malic.—Although the market was strictly a routine affair throughout the week, sellers reported a steady tone governed the dealings.

Salicylic.—Another week marked by an active demand was reported for this product, and prices ruled steady to firm.

Sulphanilic.—While the market was a rather quiet affair, from a demand standpoint, sellers described the price tone as steady to firm.

Other Intermediates

Alphanaphthol.—A fair buying movement was reported for this product. Prices were steady to firm.

Anilin Oil.—Shipments were moving out in good volume throughout the week. Quotations were firm.

Anthraquinone.—This market showed little improvement during the week but the volume was sufficient to give the market a steady to firm price appearance.

Benzidin Base.—Usual buyers supplied what little interest was shown here. Quotations displayed a steady to firm tone.

Betanaphthol.—Another active week was reported for this commodity, with consumers withdrawing full contract allotments. A decidedly firm tone was in evidence.

Dianisidin.—A steady to firm tone prevailed in this direction, and demand was considered fair.

Dinitrobenzene.—Routine consumers furnished the call in this market, sellers were holding to previously established prices.

Dinitrotoluene.—A good volume of business was transacted in this direction for routine consumers, and a firm tone was in evidence, for the basic material continued in a similar price position.

G Salt.—This product moved through a quiet week, but the slow call failed to have an influence on the market pricewise.

Metanitroanilin.—This market offered little change, with the volume about the same as the preceding period, and prices were well maintained.

Nitrobenzene.—Although the call was highly irregular, total shipments for the week measured up satisfactorily. Prices were unchanged.

Phthalic Anhydride.—A good buying movement was in prominence here, and sellers described the price tone as decidedly firm.

Toluidin.—This market noted a firm tone throughout the week, demand was confined to actual wants.

Coaltar Colors

The market for coaltar colors experienced a good demand during the week just ended. Prices were steady to firm. Domestic and foreign mill conditions continue about the same as indicated in recent weeks, with mill activity high on the basis of large unfilled orders on manufacturers' books but sales of yarns and cloth are not so large as they were in recent weeks. Hosiery statistics for December, as issued by the Department of Commerce, reported that production of knit hosiery amounted to 9,102,694 dozen pairs; cotton, including mercerized, totaled 2,741,175 dozen pairs. Prices for dyes entering stains were firm. Imports into the United States of coaltar colors, dyes, or stains, color acids, color lakes and color bases n.s.p.f., entered for consumption, decreased during 1936, according to preliminary figures compiled by the Department of Commerce, to 3,768,918 pounds valued at $5,697,793 from 4,606,270 pounds, value $6,034,386 in 1935.

J & L LIGHT OIL DISTILLATES

PURE BENZOL
90% BENZOL
PURE TOLUOL · XYLOLS
SOLVENT NAPHTHA

JONES & LAUGHLIN STEEL CORPORATION
AMERICAN IRON AND STEEL WORKS
JONES & LAUGHLIN BUILDING, PITTSBURGH, PA.

Trade-Names and Brand-Names

Materials Used in Chemical Processing Industries

Fully Protected by Copyright

Fifty-first Instalment

Kaytone; nonpoisonous industrial fumigant; Kay-Fries Chemicals, Inc., New York.

Keepex (Sodium silicate); for preserving eggs; Lehn & Fink, Inc., Bloomfield, N. J.

Keepsafe (Sodium silicate); for preserving eggs; Philadelphia Quartz Company, Philadelphia.

Kellko; vegetable fats for bakery and confectionery use; Spencer Kellogg & Sons, Buffalo, N. Y.

Kelloid; waterproofing for textiles; Thomas Daniel Kelly, Brighton, England.

Kelloil; linseed oil base core oil; Spencer Kellogg & Sons, Buffalo, N. Y.

Kelo-Form (Ethyl aminobenzoate); R. W. Greeff & Co., New York.

Kelo-Form P (Propyl aminobenzoate); R. W. Greeff & Co., New York.

Keltex, alginates used in textile finishing; Kelco Company, San Diego, Cal.

Kem; synthetic resins; Sherwin-Williams Company, Cleveland.

Kem 222; general emulsifier; Kem Products Company, Newark, N. J.

Kemco; bleaching agent; Surpass Chemical Company, Albany, N. Y.

Kemick; paint for hot surfaces; American Chemical Paint Company, Ambler, Pa.

Kemi-kal; hardeners for cement; Sullivan Company, Memphis.

Kemilime (Hydrated lime); for chemical uses; Ash Grove Lime & Portland Cement Company, Kansas City, Mo.

Kemitite; asphaltic rust preventive; Franklin Wedge, Paoli, Pa.

Kemo Binder; ingredient for rendering concrete impervious to oils, acids, alkalies, greases; Franklin Wedge, Paoli, Pa.

Kemosix; bleaching and stripping agent for removing dyes from fibrous materials; Norris Products, Chicago.

Kempure; egg preservative; Albany Chemical Company, Albany, N. Y.

Kemsol (Saltcake); Imperial Chemical Industries, Ltd., London, England.

Kemsolene; petroleum extender; Chemical Solvents, Inc., New York.

Kemy; reagent for separating oil-water emulsions; Petroleum Chemical Company, Tulsa.

Kerex; odorants for petroleum flysprays; Felton Chemical Company, Brooklyn.

Kerine food colors; National Aniline & Chemical Company, New York.

Kero Bouquet; odorant for petroleum flysprays; Compagnie Parento, Inc., Croton-on-Hudson, N. Y.

Kero Citrone; odorant for petroleum flysprays; Compagnie Parento, Inc., Croton-on-Hudson, N. Y.

Kero Dolcone; odorant for petroleum flysprays; Compagnie Parento, Inc., Croton-on-Hudson, N. Y.

Kero Florone; odorant for petroleum flysprays; Compagnie Parento, Inc., Croton-on-Hudson, N. Y.

Kero Lavone; odorant for petroleum flysprays; Compagnie Parento, Inc., Croton-on-Hudson, N. Y.

Kero Mintone; odorant for petroleum flysprays; Compagnie Parento, Inc., Croton-on-Hudson, N. Y.

Kero Shalone; odorant for petroleum flysprays; Compagnie Parento, Inc., Croton-on-Hudson, N. Y.

Kero Spicone; odorant for petroleum flysprays; Compagnie Parento, Inc., Croton-on-Hudson, N. Y.

Kero Wash; kerosene emulsion for use in removing arsenical residue from fruit; Balfour, Guthrie & Co., San Francisco.

Kerodor: odorant for petroleum flysprays; Givaudan-Delawanna, Inc., New York.

(To be continued)

CRESYLIC ACID 97-99% Pale

AMERICAN-BRITISH CHEMICAL SUPPLIES, Inc.
180 MADISON AVE. Telephones: Ashland 4-2265 and 4-2266 NEW YORK

Lacquer Sales: 1936

Sales of clear lacquers, pigmented lacquers, lacquer bases and dopes, and thinners by 158 manufacturers as reported to the Bureau of Census for the fourth quarter of 1936, and a comparison with the corresponding quarter of 1935, were as follows:—

		1936.	1935.
Clear lacquers	gals.	2,915,649	2,215,208
	value.	$3,936,299	$3,086,376
Pigmented lacquers	gals.	3,220,487	2,942,893
	value.	$7,011,408	$6,297,901
Lacquer bases and dopes	gals.	465,147	521,685
	value.	$539,380	$581,366
Thinners	gals.	5,519,730	4,687,441
	value.	$3,606,802	$3,184,106
Totals	gals.	12,121,013	10,367,227
	value.	$15,093,889	$13,149,749

Sales for the year 1936 and a comparison with last year, follow:—

		1936.	1935.
Clear lacquers	gals.	10,046,782	7,960,353
	value.	$13,611,214	$11,104,231
Pigmented lacquers	gals.	12,315,801	9,814,574
	value.	$26,339,196	$21,337,338
Lacquer bases and dopes	gals.	1,863,900	1,793,237
	value.	$2,127,011	$2,083,057
Thinners	gals.	20,060,785	16,929,247
	value.	$13,772,559	$12,601,018
Totals	gals.	44,287,268	38,497,411
	value.	$55,849,980	$46,525,644

Devoe Advances Harris

The Devoe & Raynolds Company has promoted S. E. Harris to be assistant sales manager of the brush division, according to an announcement by A. H. Mohrhusen, manager of the division. Mr. Harris has been a member of the company's Chicago sales staff for the last seven years. He is a native of Springfield, O.

Obituaries

William L. Voigt

William L. Voigt, for many years associated with the Royal Baking Powder and secretary of the Herrick & Voigt Chemical Corporation, Bayonne, N. J., died February 2, after a lingering illness. He was seventy-six years old.

Mr. Voigt was born in Germany in 1861; came to this country with his parents at the age of nine, and was graduated from the Hoboken Academy. His family returned to Germany and settled in Hamburg. Mr. Voigt studied for a time in Leipzig, returning to the United States about 1881. After several minor positions, he went with the Harway Dyewood Company as salesman; then with Bischoff & Co., Hastings, N. Y., and later joined the Tartar Chemical Company, part of the Royal Baking Powder Company, serving there for more than twenty-five years. He was secretary of Herrick & Voigt from the time of its organization in 1918. He retired from activities in both companies in 1928. Mr. Voigt acquired a country place in Norfolk, Conn., and raised pheasants and quail as a hobby. He was a member for many years of the Chemists Club of New York. His home was in this city. Surviving are his wife, Mrs. Jessie I. Voigt, and a son, Owen M. Voigt, president of Herrick & Voigt.

John C. Dolph

John C. Dolph, president of the John C. Dolph Company, paint products, Newark, N. J., which he founded twenty-five years ago, and a pioneer in the manufacture of insulating varnishes for the electrical industry, died in his home in that city February 5. He was seventy-two years old. Mr. Dolph was born in North East, Penna., and had maintained a country home there. His development of the manufacture of insulating varnishes led to recognition as an authority in that field and he was called in as a consultant here and abroad. As the result of original experiments made in Berlin he was elected to the American Institute of Electrical Engineers, of which he was a life member. He was also a member of the Engineers' Club of New York, the Newark Athletic Club, Metropolitan Lodge, F. & A. M. of New York and the North East and Sarasota (Fla.) golf clubs. Surviving are his wife: two daughters, Mrs. Annis Dolph Mayes, and Miss Jacqueline Dolph, and two grandchildren.

William G. Griesemer

William G. Griesemer, vice-president and treasurer of the Black Flag Company, insecticide manufacturer, Baltimore, and first vice-president of the National Association of Insecticide and Disinfectant Manufacturers, died of pneumonia, in Chicago, February 2, while on a business trip. Mr. Griesemer was born in Haddonfield, N. J., the son of the Rev. and Mrs. Henry A. Griesemer. The family moved to Baltimore when Mr. Griesemer was a boy, the father accepting the pulpit of the Franklin Square Baptist church. Mr. Griesemer was associated with the Black Flag company for more than twenty years. Surviving are his wife, Mrs. Lena Omohundro Griesemer, and two daughters.

John P. Laffey

John Paul Laffey, retired general counsel and head of the legal department of E. I. duPont deNemours & Co., who also had served as a director and vice-president of the concern, died in his home in Wilmington, Del., February 8 from a stroke suffered three weeks ago. He was seventy-four years old. Mr. Laffey was a native of Illinois. He was a vice-president of the duPont Powder Company, predecessor of the present company, when the latter was organized in 1915 and then became general counsel and set up the legal department. His activities covered the consummation of some of the biggest legal steps in the last thirty years of the company's history. After the World War he went to Europe to obtain important dye patents and establish the company's relations with foreign chemical interests. Surviving are his only daughter, Mrs. Frank A. McHugh and her husband; a sister, a niece and four grandchildren.

Count Francisco Matarazzo

Count Francisco Matarazzo, said to be Brazil's richest man, who operated a great group of industries in that country, died in Rio Janeiro, February 10. He was eighty-six years old. Born in Italy, he went to Brazil sixty years ago. He operated under the name of Matarazzo Reunited Industries, and his enterprizes, embracing the entire Brazilian territory, grew into an international organization, with offices in New York and important European centers. The Matarazzo interests include vegetable oils, linseed oil, cotton mills, metals, aluminum manufacture, iron furnaces, and iron foundries. Count Matarazzo was given his title by Italy for his great help during the Italian-Ethiopian War in supplying war materials.

Rev. Dr. Oliver Sherman Baketel, in point of service believed to be the oldest Methodist Episcopal Church clergyman, librarian of the Methodist Episcopal Historical Society of New York, and father of Dr. H. Sheridan Baketel, president of Reed & Carnrick, pharmaceutical manufacturer, Jersey City, N. J., died February 4 in his home at Maplewood, N. J., after a short illness. He was eighty-eight years of age. Funeral services were held February 6 in the Morrow Memorial Church, Maplewood. His wife, three sons, and three sisters survive.

Dr. Frank L. Bartlett, mineralogist, smelting expert, and physician, died in his home in Denver, Col., January 20. He was eighty-five years old. He was a native of Hanover, Maine, and was for eleven years State assayer and chemist for Maine. He was a former president of the Denver Chamber of Commerce.

Nathaniel Seavey Drake, father of James Frank Drake, president of the Gulf Oil Corporation, died in Pittsfield, N. H., December 28, of pneumonia. He was eighty-five years old. Mr. Drake had served in the New Hampshire House of Representatives in 1911 and 1912 and in the Senate in 1913. His wife, and a daughter, Mrs. Calvin Foss, survive.

James L. Harrop, vice-president of the Columbia Oil & Gasoline Corporation and the Panhandle Eastern Pipeline Company, died February 5 in his home in Maplewood, N. J. He was fifty-three years old. He was formerly chief engineer for the State Public Service Commission of Missouri. Surviving are his wife, mother, four daughters, a brother and a sister.

Mrs. Laura Jewett Fairbanks, welfare worker for the Tubize Chatillon Corporation, died in Rome, Ga., February 3. She was forty-three years old. Mrs. Fairbanks, widow of Blagden Fairbanks, Passaic, N. J., was a daughter of the late Captain Henry Milton Jewett, Winslow, N. J., a former United States Senator.

Frank A. McHenry, who conducted the Montrose pharmacy, Orange, N. J., for twenty years, died February 4, in his home in that city, of a heart attack. He was forty-six years old. He was a graduate of the New Jersey College of Pharmacy. Surviving are his wife, two daughters, a son, two brothers and four sisters.

Industrial Uses of Chemicals and Related Materials

(Formerly styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

Fully protected by copyright

Five-hundred-twenty-eighth Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Acetyldiphenylamine

Chemical

In organic syntheses

Electrical

Stabilizer (Brit. 423938) for—
Transformer oils

Fats and Oils

Stabilizer (Brit. 423938) for—
Vegetable oils

Fuel

Stabilizer (Brit. 423938) for—
Coal-carbonization spirits

Lubricant

Stabilizer (Brit. 423938) for—
Lubricants
Lubricating oils

Petroleum

Stabilizer (Brit. 423938) for—
Petroleum oils
Shale oils

2-Chlor-5-paraxylylbeta-9-carbazolylethyl Sulphide

Chemical

Intermediate (Brit. 444262 and 444501) in—
Organic syntheses

Pharmaceutical

Claimed (Brit. 444262 and 444501) to have—
Value for pharmaceutical purposes

Rubber

Accelerator (Brit. 444262 and 444501) in—
Vulcanizing

Diacetylethylenediamine

Chemical

In organic syntheses

Electrical

Stabilizer (Brit. 423938) for—
Transformer oils

Fats and Oils

Stabilizer (Brit. 423938) for—
Vegetable oils

Fuel

Stabilizer (Brit. 423938) for—
Coal-carbonization spirits

Lubricant

Stabilizer (Brit. 423938) for—
Lubricants
Lubricating oils

Petroleum

Stabilizer (Brit. 423938) for—
Petroleum oils
Shale oils

Dicylcohexylcyclohexanol Sulphonate

Building and Construction

Dispersing agent (Brit. 449607) in making—
Emulsified waterproofing preparations

Chemical

Dispersing agent (Brit. 449607) in making—
Emulsions of hydrocarbons
Emulsions of various chemicals
Textile lubricants in emulsified form
Wetting compositions in emulsified form

Cosmetic

Dispersing agent (Brit. 449607) in making—
Emulsified cosmetics

Disinfectant

Dispersing agent (Brit. 449607) in making—
Emulsified germicidal and disinfecting compositions

Dye

Dispersing agent (Brit. 449607) in making—
Emulsified color lakes

Fats, Oils, and Waxes

Dispersing agent (Brit. 449607) in making—
Emulsified boring oils
Emulsified drilling oils
Emulsified fat-splitting preparations
Emulsified fatty acids of animal or vegetable origin
Emulsified greasing compositions
Emulsified greasing and lubricating compositions containing various vegetable and animal fats and oils
Emulsified preparations of natural or synthetic waxes
Emulsified sulphonated oils
Emulsified wire-drawing oils
Emulsions of animal and vegetable fats and oils

Glue and Adhesives

Dispersing agent (Brit. 449607) in making—
Emulsified adhesive preparations

Ink

Dispersing agent (Brit. 449607) in making—
Emulsified printing inks
Emulsified writing inks

Insecticide

Dispersing agent (Brit. 449607) in making—
Emulsified insecticidal and fungicidal compositions
Horticultural sprays

Leather

Dispersing agent (Brit. 449607) in making—
Emulsified compositions for softening hides
Emulsified dressing compositions
Emulsified fat-liquoring baths
Emulsified finishing compositions
Emulsified soaking compositions
Emulsified waterproofing compositions

Miscellaneous

Dispersing agent (Brit. 449607) in making—
Automobile polishes in emulsified form
Emulsified cleansing compositions
Emulsified compositions for cleansing painted and metallic surfaces
Emulsified degreasing compositions
Emulsified furniture polishes
Emulsified greasing compositions
Emulsified metal polishes
Emulsified penetrating compositions
Emulsified shoe polishes
Emulsions of various substances
Waterproofing compositions in emulsified form

Paper

Dispersing agent (Brit. 449607) in making—
Emulsified compositions for sizing paper and pulp products
Emulsified compositions for waterproofing paper and pulp compositions and paperboard
Waxing compositions in emulsified form

Petroleum

Dispersing agent (Brit. 449607) in making—
Emulsified cutting oils for screwpress and lathe work
Emulsified mineral oils
Kerosene emulsions
Naphtha emulsions
Petroleum pitch emulsions
Petroleum tar emulsions
Soluble greases in emulsified form
Solubilized emulsified oils and distillates
Textile oils in emulsified form, such as rayon oils

Soap

Dispersing agent (Brit. 449607) in making—
Emulsified detergents, containing soaps, used for various purposes
Emulsified hand-cleaning compositions containing soap
Emulsified textile soaps

Textile

Bleaching

Dispersing agent (Brit. 449607) in making—
Emulsified bleaching baths

Dyeing

Dispersing agent in making—
Dye baths in emulsified form

Finishing

Dispersing agent (Brit. 449607) in making—
Emulsified coating compositions
Emulsified scouring compositions
Emulsified sizing compositions
Emulsified washing compositions
Emulsified waterproofing compositions
Emulsified waxing compositions

Manufacturing

Dispersing agent (Brit. 449607) in making—
Emulsified baths for the carbonization of wool
Emulsified baths for degumming and boiling-off silk
Emulsified baths for soaking silks
Emulsified bowking baths
Emulsified compositions used for degreasing raw wool
Emulsified fulling baths
Emulsified kier-boiling baths for cotton
Emulsified mercerization baths
Emulsified spinning compositions
Oil emulsions for various textile purposes

Printing

Dispersing agent (Brit. 449607) in making—
Emulsified printing pastes

Formylphenylhydrazin

Chemical

In organic syntheses

Electrical

Stabilizer (Brit. 423938) for—
Transformer oils

Fats and Oils

Stabilizer (Brit. 423938) for—
Vegetable oils

Fuel

Stabilizer (Brit. 423938) for—
Coal-carbonization spirits

Lubricant

Stabilizer (Brit. 423938) for—
Lubricants
Lubricating oils

Petroleum

Stabilizer (Brit. 423938) for—
Petroleum oils
Shale oils

Methylformamide

Chemical

In organic syntheses

Electrical

Stabilizer (Brit. 423938) for—
Transformer oils

Fats and Oils

Stabilizer (Brit. 423938) for—
Vegetable oils

Fuel

Stabilizer (Brit. 423938) for—
Coal-carbonization spirits

Lubricant

Stabilizer (Brit. 423938) for—
Lubricants
Lubricating oils

Petroleum

Stabilizer (Brit. 423938) for—
Petroleum oils
Shale oils

Orthobeta-p'-toluenesulphonylethylaminothiophenylbetaparatoluenesulphonylethyl Ether

Chemical

Intermediate (Brit. 444262 and 444501) in—
Organic syntheses

Insecticide

Insecticide (Brit. 444262 and 444501) for—
Animal pests
Vegetable pests

Textile

As a dyestuff (when employing suitable initial materials) (Brit. 444262 and 444501)
Assistant (Brit. 444262 and 444501) in—
Textile processing

Para-p'-di-tertiary-butyldiphenylamine

Rubber

Preservative (U.S. 2009480, 2009526, and 2009530) for—
Rubber

Parabetahydroxyethoxyphenylarsinic Acid

Germicide

Claimed (Brit. 444882) as—
Bactericide

Parahexadecyldiphenylamine

Rubber

Preservative (U.S. 2009480, 2009526, and 2009530) for—
Rubber

Paraisopropyldiphenylamine

Rubber

Preservative (U.S. 2009480, 2009526, and 2009530) for—
Rubber

Paratolylbeta-9-carbazolylethyl Sulphide

Chemical

Intermediate (Brit. 444262 and 444501) in—
Organic syntheses

Pharmaceutical

Claimed (Brit. 444262 and 444501) to have—
Value for pharmaceutical purposes

Rubber

Accelerator (Brit. 444262 and 444501) in—
Vulcanizing

Phenothiazin

Insecticide

Insecticide for—
Codling moth (claimed to be as effective as lead arsenate)

1:2-Phthaloyl-5:6-benzocarbazole

Textile

As a vat dye (Brit. 443958 and 443959)

8:9-Phthaloyl-4:5-trimethinacridin

Textile

As a vat dye (Brit. 443958 and 443959)

Titanium Betabenzoylpropionate

Plastics

Starting point (U.S. 2001380) in making—
Films

Current Market Quotations

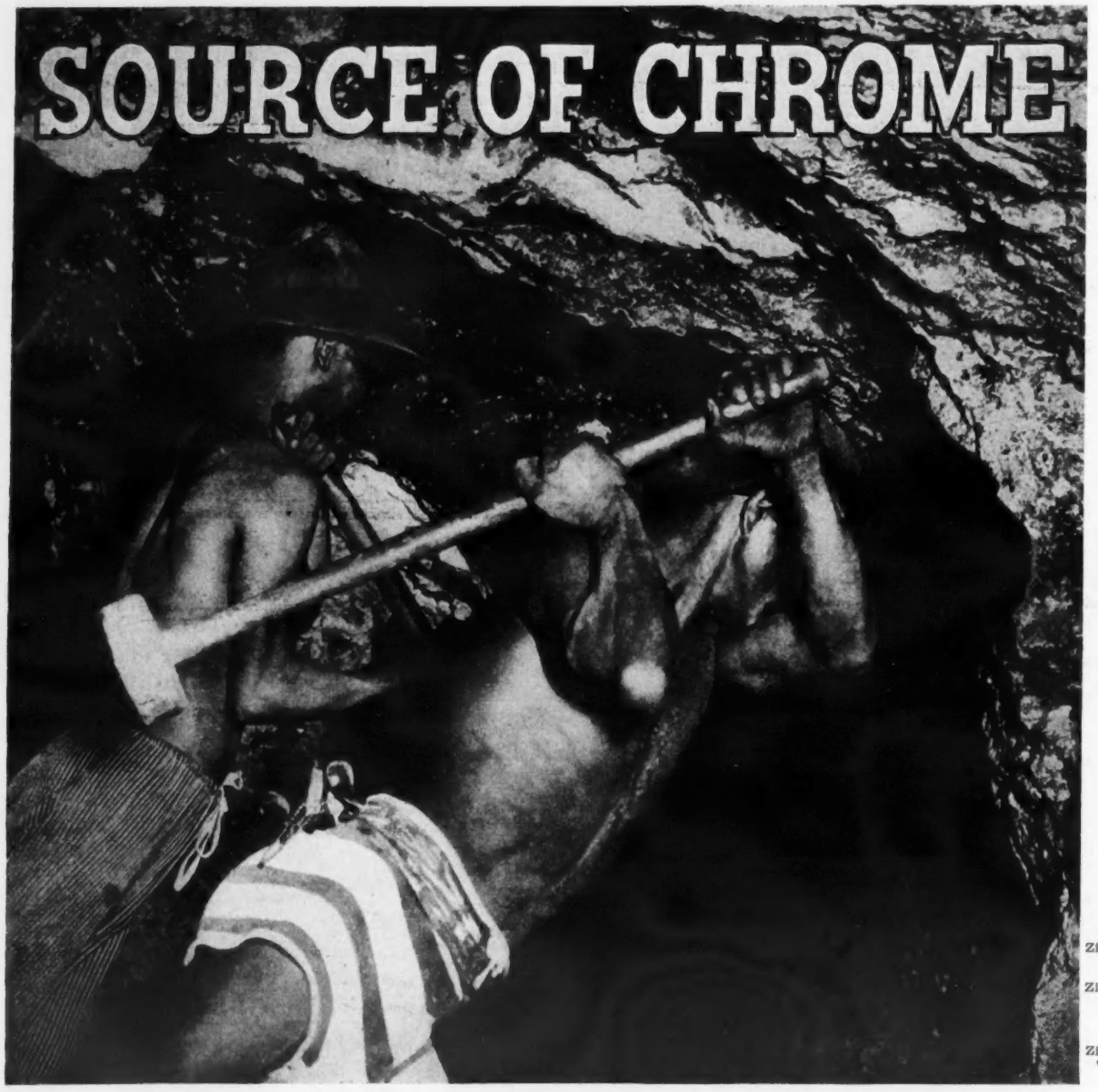
(Continued from page 25)

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.50
Yellow, cadmium, CP, import., bxs..lb. 2.50 - —
lithopone, all shades, bbls., 1 ton, works, frt. alld.lb. .40 - —
smaller lots, same basis, lb. .45 - —
kgs, same basis.....lb. .50 - —
sulphide, orange, bbls., works, lb. .90 - .95
yellow, bbls., works.....lb. .90 - 1.00
Chrome, CP, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .13 - —
open order.....lb. .14 - —
Chrome yellow CP prices are ½c. higher dlvd., Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch pink, bbls.....lb. .08 - .10
Mercury oxide (see M).
Yellow, ocher, Amer., golden, A, bbls., works..lb. .06¼- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .03½- —
yellow, A, bbls., works...lb. .02¾- —
B, bbls., works.....lb. .02½- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01½- —
G, bbls., works.....lb. .01⅜- —
H, bbls., works.....lb. .01¼- —
French, all shades, cks., c.l., ex dock, Balto, Boston, N. Orleans, for import. lb. .0235- —
New York (f.o.b.)..lb. .02¾- —
Philadelphia, for import..lb. .02¼- —
Portland, Seattle...lb. .03 - —
San Pedro, S. Francisco..lb. .0290- —
l.c.l., ex dock, Balto., Boston, N. Orleans..lb. .0245- —
New York.....lb. .02⅝- —
Philadelphia, for import..lb. .02⅜- —
Portland, Seattle..lb. .03½- —
San Pedro, S. Francisco..lb. .03 - —
ex whse., Balto, Boston, N. Orleans..lb. .0260- —
Chicago, E. St. Louis, Ind'polis, K. City, Milwauk., St. Louis, lb. .03½- —
Minneapolis .....lb. .03⅝- —
New York.....lb. .02⅝- —
Pittsburgh .....lb. .03½- —
Portland, Seattle...lb. .03⅝- —
San Pedro, S. Francisco..lb. .03¼- —
f.o.b. N. Y. from dock. lb. .02½- —
from whse.....lb. .02¾- —
Yellow, oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N. Y..lb. .04½- —
l.c.l., same basis.....lb. .04¾- —
synth., bbls., c.l., works...lb. .06¾- —
l.c.l., works.....lb. .07 - .07¼
Persian orange (see O).
Zinc, bbls., same basis chrome CP, contracts..lb. .18 - —
open order.....lb. .19 - —
Yellow dock root, bls.....lb. .10 - .11
Yellow root (xanthoriza), bls..lb. .09 - .10
Yerba santa leaves, bls.....lb. .08 - .09
Yohimbine hydrochloride, vls.oz. 2.50 - 2.55

Z

Zinc, arsenite, bgs., cs., c.l., consumers, E. of Rockies..lb. .10 - —
dealers .....lb. .09½- .14½
1,000 lbs. and over, consumer..lb. .10½- —
dealer .....lb. .10 - .15
less than 1,000 lbs., consumer..lb. .11 - —
dealer .....lb. .10½- .15½
Zinc arsenite prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck. allowance for plant or whse. pick-up.
Carbonate, tech., bbls.....lb. .12 - .14
USP, precip., powd., bbls..lb. .31 - —
bbls. .....lb. .31 - —
dms. .....lb. .36 - —
kgs. .....lb. .33 - —
Chloride, fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., dms., works.100 lbs. 4.60 - —
gran., dms., c.l., works. 100 lbs. 5.00 - —
l.c.l., dms., works.100 lbs. 5.75 - —
Zinc, chloride, solution, dms., works..lb. .04½- —
tanks, works.....lb. .02 - —
Cyanide, kgs., works.....lb. .36 - —
Dust, bbls., c.l., dlvd.....lb. .0830- —
l.c.l., 10,000 lbs. or over, dlvd..lb. .0905- —
less than 10,000 lbs., dlvd. lb. .0955- —
Fluoride, bbls.....lb. .20 - .25
Iodide, N.F., bots.....lb. 4.15 - —
jars .....lb. 4.00 - —
Metal (see daily quotations in Market report).
Oxide, pigment, dom., Amer. process, coml., lead-free, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd. except Pac. cst..lb. .05½- —
ex whse., Pac. cst.lb. .05½- —
bbls., c.l., dlvd.....lb. .05½- —
l.c.l., dlvd., except Pac. cst..lb. .05¾- —
ex whse., Pac. cst.lb. .05¾- —
leaded, 5%, 35%, bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd., except Pac. cst..lb. .05¾- —
ex whse., Pac. cs.lb. .05¾- —
bbls., c.l., dlvd.....lb. .05¾- —
l.c.l., dlvd., except Pac. cst..lb. .05¾- —
ex-whse.,Pac. cst.lb. .05¾- —
50%, bgs., c.l., dlvd....lb. .05¼- —
l.c.l., dlvd., except Pac. cst..lb. .05¼- —
ex-whse.,Pac. cst.lb. .05¼- —
bbls., c.l., dlvd.....lb. .05½- —
l.c.l., dlvd., except Pac. cst..lb. .05½- —
ex-whse.,Pac. cst.lb. .05½- —
French process, coml., lead-free, bgs., c.l., dlvd.lb. .05¼- —
l.c.l., dlvd., except Pac. cst..lb. .05½- —
ex-whse.,Pac. cst.lb. .05½- —
bbls., c.l., dlvd.....lb. .05½- —
l.c.l., dlvd., except Pac. cst..lb. .05¾- —
ex-whse.,Pac. cst.lb. .05¾- —
green seal, bgs., c.l., dlvd. lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex-whse.,Pac. cst.lb. .06½- —
bbls, c.l., dlvd.....lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex-whse.,Pac. cst.lb. .06¾- —
red seal, bgs., c.l., dlvd. lb. .05¾- —
l.c.l., dlvd. except Pac. cst..lb. .06 - —
ex whse., Pac. cst.lb. .06 - —
bbls., c.l., dlvd.....lb. .06 - —
l.c.l., dlvd. except Pac. cst..lb. .06¼- —
ex whse., Pac. cst.lb. .06¼- —
white seal, bgs., c.l., dlvd. lb. .06¾- —
l.c.l., dlvd. except Pac. cst..lb. .07 - —
ex whse., Pac. cst.lb. .07 - —
bbls., c.l. dlvd.....lb. .07 - —
l.c.l., dlvd. except Pac. cst..lb. .07¼- —
ex whse., Pac. cst.lb. .07¼- —
import., gold seal, cks., ex-dock..lb. .10¾- .11¼
green seal, bbls., 1-15 tons, ex dock..lb. .07½- .09½
ex whse.....lb. .07⅝- .09⅞
red seal, bbls., 1-15 tons, ex dock..lb. .08⅞- —
ex whse.....lb. .09 - —
white seal, cks., lots of 3, ex dock..lb. .09¾- —
ex whse.....lb. .10 - —
smaller lots, ex dock...lb. .10 - —
ex whse.....lb. .10¼- —
Oxide, USP, bbls., c.l.....lb. .08 - —
l.c.l. .....lb. .08¼- —
Palmitate, bbls.....lb. .23 - .25
Resinate, fused, pale, bbls...lb. .10 - —
precip., dms., dlvd.....lb. .15 - —
Stearate, tech., precip., bbls., ctns., c.l..lb. .20 - —
l.c.l., 1 ton.....lb. .21 - —
1,000-2,000 lbs.....lb. .22 - —
less than 1,000 lbs..lb. .23 - —
USP, bbls.....lb. .21 - —
Sulphate, cryst., bgs., c.l.100 lbs. 2.65 - —
l.c.l. .....100 lbs. 3.40 - —
bbls., c.l.....100 lbs. 2.80 - —
l.c.l. .....100 lbs. 3.55 - —
flake, bgs., c.l.....100 lbs. 3.05 - —
l.c.l. .....100 lbs. 3.80 - —
bbls., c.l.....100 lbs. 3.20 - —
l.c.l. .....100 lbs. 3.95 - —
powd., bgs., c.l.....100 lbs. 4.35 - —
l.c.l. .....100 lbs. 5.10 - —
bbls., c.l.....100 lbs. 4.50 - —
l.c.l. .....100 lbs. 5.25 - —
sulphide, bgs., c.l. (20 tons), dlvd..lb. .09 - —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .09¼- —
bbls., c.l. (20 tons), dlvd..lb. .09¼- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .09½- —
Sulphocarbolate, NF, bbls...lb. .24 - .26
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 4.65 - —
l.c.l., dms, works.....100 lbs. 5.00 - —
Zinc-iron oxide pigment, bgs., c.l., dlvd..lb. .04 - —
l.c.l., dlvd. except Pac. cst..lb. .04½- —
ex whse., Pac. cst....lb. .04½- —
Zirconium nitrate, kgs., works.lb. 3.00 - 4.00
Oxide, crude, 73-75%, grd.,bbls., works..ton.75.00 -100.00
kgs., small lots, works..lb. .04¼- .04½
white, 98%, grd., kgs., works. lb. 1.40 - 1.52



Mining under difficult conditions on a remote island to produce chrome ore — two modern plants in this country to manufacture chromium products — careful laboratory control to insure uniformity — the combined result — adequate stocks at all times of raw materials and finished product of highest quality.

BICHROMATE OF SODA
BICHROMATE OF POTASH
Plants at Baltimore and Jersey City

CHROMIC ACID
OXALIC ACID
Mines at New Caledonia

MUTUAL CHEMICAL COMPANY

Mutual Chemical Company of America · · · 270 Madison Avenue · · · New York City

Synthetic Resins and other Branded Paint Materials

(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the February 1 issue; the next printing will be in the March 1 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish, and Lacquer Materials market, which begins on page 39.

Dyestuffs and Textile And Leather Chemicals

Zinc Dust Advance Reflects Rise in Basic Metal Price—Wattle Bark Higher—Other Tanning Materials Quiet—Egg Products Continue Dull—Alumina Chloride Steady

Business in the market for dyestuffs and tanstuffs was irregular again last week. Manufacturing consumers in all directions were practicing a conservative buying policy, but the high level of activity in certain divisions of the textile industry tended to give the market an active appearance at times during the week. Changes in the market included a slight advance in wattle bark and zinc dust.

Slight advance in the price for zinc dust came about as a result of an increase in the price for zinc metal. Output of recoverable zinc by domestic mines in 1936 was about 576,000 tons compared with 517,954 tons in 1935, an increase of 11 percent. Alumina chloride moved through a quiet week. Prices for antimony salt were unchanged. A favorable volume of business was transacted in the market for bichromates. Corn derivatives were highly irregular, from a demand standpoint, but the price tone continued steady to firm. Egg products were quiet, consumers apparently marking time until something definite develops regarding pending legislation on imported egg products. Prices for egg products held unchanged. Aside from a slight increase in wattle bark, tanning materials were unchanged. Myrobalans continued firm. Common gambier was nominal in price.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Wattle bark, 25c. per ton.
Zinc dust, 15 points.

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
152.9	152.9	152.8	152.0

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Chloride.—There was a fair demand reported for this article, the call came from the pharmaceutical and dye trades, and prices were well maintained.

Antimony Salt.—Conditions here were much the same as in the preceding period, routine consumers were purchasing small quantities. Quotations held steady.

Potash Bichromate. — This market presented little variation from recent weeks, shipments were moving out at a fair pace. No change was disclosed in quotations, although a decidedly firm tone was in evidence.

Potash Prussiate.—Shipments were moving forward at a fair pace in the market for red prussiate. A good demand was reported for yellow prussiate. In both instances the prices were without change.

Soda Bichromate.—Shipments were moving forward to the usual channels of consumption at a good pace throughout the week. A firm tone was in evidence. A good volume of business was on the books for forward delivery.

Zinc Dust.—An advance of 15 points was noted here, reflecting an increase in the price for metal. Sellers were asking 8.30c. to 9.55c. per pound, according to quantity.

Dyestuffs

Annatto. — Quiet prevailed in this market again last week. Demand consisted of small quantities. Prices for paste and seed annatto continued unchanged.

Archil. — This market noted a fairly active demand at times during the week, but it was evident consumers were attempting to hold commitments to actual production requirements. Quotations held unchanged.

Cochineal.—Business in the market for Teneriffe silver and gray cochineal revealed little change during the course of the week under review, and prices continued unchanged.

Fustic.—Important developments were lacking in this direction again last week. Sellers in all quarters of the market were purchasing for immediate production wants only. No change was disclosed in quotations.

Indigo.—The market for natural indigo continued quiet throughout the week. Quotations were firm. Business in synthetic indigo continued fairly active, prices being well maintained.

Madder, Dutch. — Although demand was dull throughout the week, sellers reported prices were firm. The firmness in price could be attributed to the limited amount of material on hand.

Sizing Materials

Albumen. — The market edible egg albumen was extremely quiet during the week. The quiet was said to have resulted from the uncertainty surrounding the situation the situation on imported egg products. Quotations were unchanged.

Dextrin.—The market for corn derivatives continued quiet throughout the week just closed, but sellers reported prices were well maintained. It was apparent consumers were covering for immediate production requirements only.

Egg Yolk. — This market presented little change as far as demand was concerned. Consumers were purchasing for actual production needs only, and some uncertainty was noted in the market, reflecting the pending Washington legislation on imported egg products.

Frozen Eggs. — The two important developments in the egg market of the last month have been the unusually heavy production of eggs, stimulated by mild weather, and the operation of the egg purchasing program by the Agricultural Adjustment Aministration, the Bureau of Agricultural Economics reported today in its February summary of the poultry and egg situation. Egg prices normally decline at this period of the year, but not so much as has been caused by the heavy output of eggs this winter. The Government purchase program is intended to "normalize" this decline in prices. Poultrymen are now making their plans for spring hatching. The average size of laying flocks is below average for this time of year and a material reduction in hatching, such as might be caused by a too severe decline in prices, would possibly lead to excessively high prices for eggs in early 1938. A total of 4,498,710 dozen eggs has been bought by the Agricultural Adjustment Administration in its emergency surplus removal program, put into effect January 15, to prevent a continuation of the abnormally sharp decline in winter farm egg prices resulting from extremely mild winter weather conditions. The purchases of surplus eggs made during the period January 15 to February 9 involved an expenditure slightly in excess of one million dollars. Eggs bought by the Agricultural Adjustment Administration in connection with the surplus removal program are turned over to the Federal Surplus Commodities Corporation for distribution to the States for the use of the needy and unemployed.

The market for whole mixed futures on the New York Produce Exchange was quiet. February closed on Friday at 18.25c. to 19.50c.; March, 18.25c. to 19.25c.; April, 20c. Nom.

Starch.—Business in the market for corn derivatives continued good. Prices were firm. The first official estimate of the 1936-37 corn area in Argentina, just issued by the Argentine Government, places total plantings at 16,309,000 acres, according to a cable to the Bureau of Agricultural Economics from its Buenos Aires office. The estimate indicates a decline of more than 13 percent from the record plantings of 18,854,000 acres last season and compares with the previous five-year average of plantings, 15,250,000 acres. Last season considerable corn was planted in wheat producing areas which are not especially adapted to corn, because weather conditions were unfavorable for wheat planting. Because of the extensive drought damage to the 1936 corn crop in the United States, a substantial increase in imports of Argentina corn was expected during the 1936-37 domestic marketing year. From October through December, 1936, the Bureau reports that imports of Argentine corn amounted to 14,230,000 bushels compared with 7,190,000 bushels for the corresponding quarter of 1935. These imports were needed by farmers to supplement drought-reduced feed supplies and to reduce the necessity of forced livestock marketings in some areas.

Tanning Materials

Divi-Divi. — The market continued quiet during the week just ended, prices were nominal.

Gambier. — Business continued quiet in the market for common gambier, but prices were nominal, for stocks on hand were said to be small, if any. Business continued fairly good in Singapore cubes and plantation gambier. No change was disclosed in quotations.

Mangrove Bark.—A firm tone governed the dealings in this direction again last week, routine consumers were ordering out supplies at a pace equivalent to actual production requirements. Prices were unchanged.

Myrobalans.—A good demand was reported for this product at times during the week. Quotations were firm. Sellers were quoting $28 per ton. A firm price tone was also in evidence in the market for J2 material and the R2 item was firm at the levels in effect previously.

Quebracho.—A firm tone continued in prominence in this market throughout the week. Usual consumers furnished the call, and prices were termed firm at the levels in effect previously, for a good volume of business was on the books for forward delivery.

Valonia. — Nothing new was uncovered in this market during the period just closed, with prices nominal at $44 to $46 per ton.

Wattle Bark.—This market noted a firm tone, sellers were quoting 25c. per ton higher at $31.25 to $32.25 per ton.

Textile Chemists Hear Mosher on Softeners

Saponification of acetate rayon and the chemical aspects of finishing rayon crepe were discussed at a meeting of the New York Section of the American Association of Textile Chemists and Colorists, at the Swiss Chalet, Rochelle Park, N. J.

The chemical agents employed as softeners in the finishing of rayon crepe were explained by Dr. H. H. Mosher, of the Onyx Oil & Chemical Company. He stated that alipathic compounds from dodecane upward possessed softening power, the power increasing with the length of the carbon chain. Hexadecane, he said, has excellent softening qualities and also was a good fiber lubricant. Unsaturation and the insertion of a single hydroxyl radical into hexadecane greatly improved its softening powers, he stated. The aromatic compounds rarely show softening powers, being used only occasionally as auxiliary agents, he claimed.

Speaking of fatty acids, he said that the lower members were poor softeners, but that the longer chain acids, such as palmitic acid, possess good softening power, but lack the lubricating quality of hexadecane. The softening properties of these acids are improved by sulphonation, he said, with the greatest improvement shown when the sulphonation is in the center of the molecular chain, remote from the terminal carbon atom. In general, softening power depends upon the colloidal particle size of the finishing agent; true solutions are rarely softeners, he said.

Dr. J. E. Meili, of the Sandoz Chemical Works, described the agents [illegible] in the saponification of acetate rayon. The chemicals most generally employed for the hydrolysis are sodium hydroxide, sodium carbonate, and trisodium phosphate. Through experiments he found that trisodium phosphate caused a smaller loss in weight, and therefore caused less loss in fiber strength, of the material being saponified than the other alkalies. He also said that the addition of a small amount of common salt or Glauber's salt increased the speed of hydrolysis, while sodium acetate decreased the speed of reaction.

Wood Preservers' Ass'n Elects Duncan President

Chemical and wood experts to the number of approximately 300 attended the thirty-third annual convention of the American Wood Preservers' Association in New Orleans, and on the concluding day of the meeting elected the following officers for 1937:—

President, H. R. Duncan, Galesburg, Ill.; succeeding R. S. Manley, Orange, Tex.; first vice-president, B. M. Winegar, Montreal; second vice-president, C. S. Burt, Grenada, Miss., and secretary-treasurer, Horace L. Dawson, Washington. R. H. Colley, New York, was elected a member of the executive committee, and R. E. Meyers, Galveston, Tex., was re-elected. Terms of the other six members continued.

Numerous technical papers, dealing with methods, formulas, results and experiments used in wood preservation were presented at the various sessions. E. F. Hartman, Kenilworth, N. J., presented a report on fire-proofing. E. R. Boller, Cleveland, O., read a paper on "Preservative Treatment of Green Southern Yellow Pine Lumber with Zinc Chloride and Zinc Chloride-Sodium Bichromate." An international termite exposure test was the subject of a report of progress by George M. Hunt, of the Forest Products Laboratory, and T. E. Snyder, of the United States Bureau of Entomology. J. A. Long, Duval county engineer, Jacksonville, Fla., summarized developments over a 15-year period in the use of treated timber for structures in that county. S. C. Kirkpatrick, chief engineer of the Missouri Pacific Lines at Houston, described the experience of 25 years with ties and timbers from a user's standpoint. Captain I. F. Eldredge, regional director of the Southern forestry survey station, told the delegates that only 10 percent of the 21 units of the Southern forest area already surveyed had not been restocked. Miss Mae S. Chichester, of the forest pathology office, Department of Agriculture, Washington, read a paper on temperatures necessary to kill fungi in wood.

Dr. Van Slyke Receives Conne Chemistry Medal

Dr. Donald Dexter Van Slyke, chief chemist of the Hospital of the Rockefeller Institute for Medical Research since 1914, received the 1936 Philip A. Conne gold medal of the Chemists' Club of New York at a dinner at the club.

Dr. Van Slyke was born in Pike, N. Y., March 29, 1883. His father, Lucius Lincoln Van Slyke, was chief chemist of the New York State Agricultural Experiment Station at Geneva, N. Y., from 1890 to 1931. After studying for a year at Hobart College, Dr. Van Slyke entered the University of Michigan, where, after working with Professor Moses Gomberg on derivatives of triphenyl methyl, he received the degree of doctor of philosophy in 1907. Since then he has been associated with the Rockefeller Institute. During the World War, at the request of the Surgeon General of the Army, he organized at the Rockefeller Institute a training class for chemists in the sanitary corps. From 1907 to 1914 he worked in the laboratory of P. A. Levene, and was associated with him in studies of proteins and amino acids. During this period he developed the nitrous acid method for gasometric measurement of nitrogen in primary aliphatic amino groups, and with Gustav Meyer used the method to trace the path of protein digestion products through the animal body.

The dread of diabetic coma, in the days before insulin, led to the development by Dr. Van Slyke and Dr. Cullen, then at the Institute, of a method for predicting when a diabetic patient was in danger of coma, which enabled attending physicians to prevent its onset and save many lives. Out of this investigation grew attempts to explain, through studies in chemistry and physiology, the phenomena encountered in the acid-alkaline neutrality regulation of the body.

Dr. Van Slyke has been editor of the Journal of Biological Chemistry since 1914.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

SUPERLITH XXX
THE SUPERIOR ZINC SULPHIDE
C. J. OSBORN CO., 132 Nassau Street, NEW YORK
Established 1889

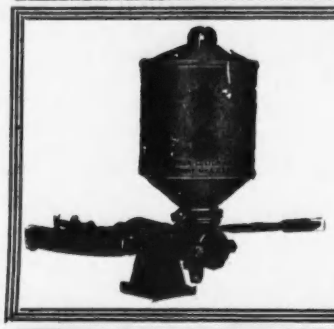
LACQUER Water White Cooplac No. 82
Will not crack, curl, become tacky or darken with age.
An exceptional value. Let us quote you.
COOPER'S CERTIFIED CHEMICALS
CHARLES COOPER & CO.
6 Mulberry Street New York, N. Y.
Works: Newark, N. J. *Established 1857*

INTENSO for LACQUERS
For medium-priced lacquers and enamel finishes you will want INTENSO. Its reputation dates from the early days of the industry... and it is still a leader today. *Write for samples and prices.*
A PIONEER *that still leads today!*
IMPERIAL
OIL & GAS PRODUCTS CO.
UNION BANK BUILDING PITTSBURGH - PENNA.
B

EARTH COLORS
INDIAN - TURKEY - VENETIAN.
OCHRE - SIENNA - UMBERS
JOSEPH A. McNULTY
114 Liberty Street New York

FREDERICK P. KAPPER & CO. 367-373 FULTON ST. BROOKLYN, N.Y.
OIL SOLUBLE COLORS SPIRIT COLORS • DYESTUFFS • WATER SOLUBLE COLORS WOOD STAINS
BISMARCK BROWN • FOR THE PAINT SUPPLY HOUSE • NIGROSINE
OPAL FLUORESCEIN • FOR SOAP MAKERS • NAPHTHOL GREEN
See GREEN BOOK Who's Who For Alphabetical Listings
"Everything in an Aniline Color for Any Trade"

PLANT EQUIPMENT FOR
BODIED OILS • PRINTING INKS
ESTER GUMS • GUM RUNNING VARNISHES
SOMMER SCHMIDDING WORKS: Duesseldorf
ALBERT H. BRUECKE 30 ROCKEFELLER PLAZA NEW YORK CITY


No. 12 CAN or TUBE FILLER
For filling Colors in Oil or Japan. Adjustable to any capacity up to 1 quart.
Write for quotations
ARTHUR COLTON CO.
2624 E. Jefferson Avenue
DETROIT - - MICHIGAN

STEARATES
ALUMINUM STEARATE CALCIUM STEARATE
MAGNESIUM STEARATE ZINC STEARATE
Stocks carried also at Chicago, St. Louis, San Francisco, Los Angeles, Kansas City, New Orleans, Des Moines
FRANKS CHEMICAL PRODUCTS CO.
Building No. 9, Bush Terminal BROOKLYN, N. Y.

SOUTHWARK BRAND
WHITING
PARIS WHITE
We manufacture Whiting, Paris White from selected Imported Chalk using absolutely no adulterants.
The QUALITY is guaranteed
The SERVICE unexcelled
Your inquiries are welcome
Southwark Manufacturing Company
ESTABLISHED 1880
Factory and Home Office: CAMDEN, NEW JERSEY
SOUTHWARK BRAND

Paint, Varnish, Lacquer Materials

Trade Demands Continue Good—Lead Price Firm—Turpentine and Rosin Continue Quiet—January Construction Work Shows Healthy Increase

Paint, varnish and lacquer chemicals continued to move into the hands of manufacturing consumers in good, seasonal fashion. Since the middle of last month, there has been a progressive widening of paint makers' raw materials needs, even in the face of canceled delivery of contract orders for finishes used by the automobile manufacturers whose labor difficulties have just ended. From all reports, manufacturers were operating grinding mills in full force, in preparation for a heavy volume of Spring business. Manufacturers doing business in the Middle West were counting on a broad replacement market for surface coatings in the flooded Mississippi and Ohio valley areas.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Rosin, medium, pale grades, 2½c. to 25c. per 280 lbs.

Reduced

Rosin, dark grades, 5c. to 10c. per 280 lbs.
Turpentine, gum, ¼c. per gal.
Woodflour, import, fine mesh, $3.50 to $4 per ton.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
132.7	132.7	132.7	130.0

Market news that may have developed after this report was sent to press will be found on page 4.

Some materials, notably lead pigments and stearate driers, were not favored with the buying activity reported in the general market but these were lagging because of the heavy purchases made in December when a buying advantage was available. Chrome yellow was another in this class and in every case the current lull of the market was just about leveling off the abnormally heavy business of December. Conversely, zinc oxides were moving quite rapidly now as the stocks bought in the early Fall at a price advantage were depleting.

Lead was unchanged in price but the market had firmer leanings last week and with increases in prices for other non-ferrous metals last week, lead buyers were noticeably more active in the market last week.

Quiet conditions continued to prevail much of the time last week in Southern and local markets for rosin and turpentine. Consumers of rosin were disposed to pursue a conservative course in making purchases and the foreign inquiry failed to show any improvement of consequence, although occasional transactions were reported. Receipts at primary points were light and the indications seemed to be for a further shrinkage in the movement in the not distant future.

January construction work gained 20 percent over December, according to the Dodge figure. The January total was also 13 percent better than January last year, totaling $242,844,000 in January, 1937, against $199,695,700 for December and $214,792,800 for January last year. These figures covered all classes of construction in the 37 Eastern states. The January, 1937, total was constituted by $78,423,700 for residential building; $95,968,900 for non-residential building; and $68,451,400 for public works and utilities. The residential figure was 20 percent greater than December, 1936, and more than double the total of $37,439,500 for that class of construction in January last year.

Metallic Lead and Zinc

Lead was a very strong metal on the eve of the Lincoln's birthday holiday. Buyers were active all week, particularly when the price of zinc advanced on Tuesday. There was a good deal of booking for March, and it was estimated that nearly half of the trade's needs for that month was booked already. Prices were 5.85c. per pound at East St. Louis and 6c. to 6.05c. per pound at New York, according to sellers. According to the Bureau of Mines, production of recoverable lead from domestic mines in 1936 amounted to about 368,000 tons, representing an increase of 11 percent over the 1935 figure of 331,119 tons, but only 56 percent of the 1925-29 average.

Zinc prices advanced 15 points Tuesday, representing an aggregate advance of 40 points for the past two weeks. Prices were now 6.40c. per pound at East St. Louis, and nominally 6.75c. per pound at New York. This is the market's highest level since October, 1929. The advance in the price followed the appearance of the January statistics, which showed stocks at 34,143 tons, against 44,756 tons at the end of December and 79,207 tons at the end of January, 1936. January production was 40,025 tons, against 47,050 tons in December and 41,917 tons in January last year, according to the American Bureau of Metal Statistics. January shipments were 50,638 tons, against 59,821 tons in December and 46,468 tons in December last year. Galvanizers were active buyers, and, with the automobile strike at an end, the trade looked for further purchases and the possibility of a continued rise in the market. The Bureau of Mines reported that output of recoverable zinc by domestic mines in 1936 was about 576,000 tons, compared with 517,954 tons in 1935, an increase of 11 percent. As compared with the 1925-29 average, zinc was in a much better position than either copper or lead, the 1936 zinc output having been about 80 percent of that average.

Lead.—Prevailing spot prices at New York, East St. Louis, and London for the period from February 6 to February 12, inclusive, were as follows:—

	Pigs		Spot. London. Per ton		
	Per pound				
	New York.	E. St. Louis.	£	s.	d.
Saturday	$0.0600@.0605	$0.0585	..	..	..
Monday	.0600@.0605	.0585	27	6	3
Tuesday	.0600@.0605	.0585	28	13	9
Wednesday	.0600@.0605	.0585	26	18	9
Thursday	.0600@.0605	.0585	27	7	6
*Friday	.....@.....	.....	..	..	..

* Holiday.

Zinc.—Prevailing spot prices at New York, East St. Louis, and London for the period from February 6 to February 12, inclusive, were as follows:—

	Slabs		Spot. London. Per ton		
	Per pound				
	New York.	E. St. Louis.	£	s.	d.
Saturday	$0.0660	$0.0625	..	..	..
Monday	.0660	.0625	22	13	9
Tuesday	.0675	.0640	22	18	9
Wednesday	.0675	.0640	23	8	9
Thursday	.0675	.0640	23	17	6
*Friday	.....	.....	..	..	..

* Holiday.

Pigments

The condition of the pigment market last week was not appreciably different from a week ago. Grinding operations continued at a good rate and the demands from the manufacturers of surface finishes continued to take in good-sized quantities of pigments. The rubber tire trade's purchases have been curtailed in the past few weeks because of the automobile strike and also because of labor difficulties of their own. Lead products were slow as buyers were working off the heavy stocks purchased in December. Taken generally, pigment sales in the first two weeks of this month were considerably ahead of sales during the corresponding weeks of January. There were no changes in prices in the opaque pigment group or lead oxides last week.

White Lead.—The market was still rather quiet as the buyers were working off the heavy stocks purchased in December, prior to the effective date of the price advance on the first of the year. Consuming manufacturers of the dry pigments bought fairly well up to

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Soft, Light and Fluffy

HARSHAW CHROME YELLOWS

ALL SHADES OF PRIMROSE LEMON MEDIUM ORANGE

Soft—Light—Fluffy:—advantageous physical properties of Harshaw Lead Chromates effecting ease in grinding, non-settling of the pigments and smoothness of the applied finished product.

Try these new Harshaw pigments in your production . . . Our expert color techicians will match your standards.

THE HARSHAW CHEMICAL CO.

Manufacturers, Importers, Merchants
Offices and Laboratories: Cleveland, Ohio
Quality Products since 1892
New York, Philadelphia, Chicago, Detroit, Pittsburgh, Cincinnati, East Liverpool, Los Angeles, San Francisco
Works at Cleveland and Elyria, Ohio and Philadelphia, Pa.

When you think of DRUMS—

Think of THORNTON

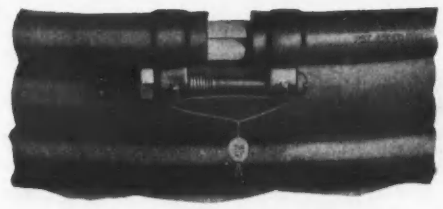
For Shipping Solids, Semi-solids and Liquids you can't beat

THORNTON

BOLTED RING SEAL

DRUMS

with Simple and Secure Full Removable Head



Secures with a simple bolt and nut—easy to fasten and unfasten.

The lugs are mechanically interlocked with the ring—a solid connection.

Sealing wires or shipping tags can be attached as illustrated.

Made in any size, 10 to 70 gallons.

Write for complete information about this and other Thornton steel containers

THE F. C. THORNTON CO.,
6712 Union Avenue,
CLEVELAND, OHIO

their credit limits in the latter part of December. Prices were firmly maintained at the levels established at the beginning of the year.

Red Lead.—Battery makers were drawing against contracts but not in very brisk fashion. The paint trade's interest was mild and other purchasers were also modest buyers. The car-lot price has been held evenly what with pig lead in a similar position.

Litharge.—Sharing a position with red lead, the withdrawals against contracts by the battery makers have been running from day to day, but the movement was not brisk. The prices continued in a steady position and car-lot quotations rested evenly with the position of the basic metal.

Lithopone.—Local manufacturers have been doing a good business since the middle of last month and the delivery orders against contracts were frequent and generally of good size. Indirect reports from plants in the Middle West indicated that a similar market activity was in force there. Prices continued unchanged at schedule.

Titanium Pigments.—Business continued in good fashion. Reports from one of the leading sellers indicated that January sales topped those of any preceding month. Prices for dioxide and the compound pigments continued steady and at the established schedule.

Zinc Oxide.—Sellers reported a fairly good rate of ordering. The tire makers were purchasing cautiously, except in one or two instances where full manufacturing was progressing in the trust for a rush demand for tires now that the automobile strike is settled. The paint trade's purchases have been lively. Prices continued unchanged.

Fillers and Extenders

The movements of inert pigments, fillers and extenders were reported as having been fairly active last week. The suppliers of finishes to the automobile trade were not buying heavily, but the general paint trade's purchases were keeping pace with the calls for opaque pigments. Prices continued on an even keel and the only change reported last week was a revision of the ex dock prices for imported wood flour. Putty has been revised in price since last reported.

Blanc Fixe.—Manufacturers of the high-grade precipitated material reported the market steady at the basis of $70 per ton for car lots and $75 per ton for less than car-lot quantities, f.o.b. producing point with freight equalized.

China Clay.—Domestic producers' prices have held without change at the higher levels that were established early in the year. There has been no shift in the cost of the foreign material even though importers said that costs have risen because of higher charter rates.

Putty.—A new schedule of prices has been placed in force since this article was last reported. Local quotations for 1,000 pound, lots, in drums, were as follows:—Commercial, $2.90 per 100 pounds; raw linseed oil, $4.65 per 100 pounds; refined linseed oil, $5.15 per 100 pounds; and standard, $3.65 per 100 pounds. For lots of 500-999 pounds, prices were 20c. per 100 pounds additional and for quantities of 100 to 499 pounds, prices were 35c. per pound additional.

Wood Flour.—Revised prices were named on the imported material. Importers now quoted 40-60 mesh at $20 per ton; 70-80 mesh at $22 per ton; 100 mesh at $27 per ton; and 120 mesh at $33 per ton. These quotations were basis ex-dock. The demands from the linoleum manufacturers have been fairly good.

Dry Colors

The color market lacked important event last week. There were no changed reported in prices for earth or chemical colors and the general tenor of the market was one of steadiness. The consumption, as evidenced by the withdrawals against contracts and open market purchases, was broad and the market has shown progressive improvement on the demand side since the middle of last month.

Carbon Black.—February purchases by the tire trade have been curtailed because of the automobile strike and because of labor difficulties within the tire trade itself. The specialty blacks for the paint, varnish and lacquer industry and the ink blacks were moving in fairly active fashion at unchanges prices.

Chrome Yellow.—As reported previously, some manufacturers were behind on the deliveries, albeit the trade was well covered under the bookings made in December before the price advance.

Indian Red.—There has been no change in the price since this article was last reported. Trade has been satisfactory to the sellers.

Lithol Toner.—Quotations continued at the levels that have been in force for some time. Prices for other toners were also unchanged. There has been a fair interest evidenced by the ink manufacturers.

Metallic Brown.—Prices continued at the advanced levels which were established several weeks ago with $2.15 per pound named for barrels and 2c. per pound for paper bags, in car lots, f.o.b. producing point.

Yellow Ocher.—The position of the French article continued unchanged and the demands of the market were fairly active.

Zinc Yellow.—Manufacturers have not made any change from the level of 18c. per pound for contract buyers and 19c. per pound on open order.

Varnish Gums

The wave of advancing prices halted for last week at least. During the preceding weeks, prices were advanced rather substantially and the majority of the gradings of copal and dammar gums were included in the rise. Prices held without further change although reports from the primary markets were strong. The end of the marine strike on the West Coast should create more cargo space for gum transportation, but the effect of the strike will still be felt as the deliveries from abroad have been behind schedule. Ordering by varnish makers continued fairly active.

Of interest to varnish exporters was a report of the Department of Commerce from Bangkok, which stated that varnish imports into Siam for the fiscal year ended March 31, 1935 and 1936, showed a drop for the respective years from 22,138 kilograms for the 1935 fiscal year to 17,263 for the latter year. The principal countries of origin for the imports were Japan, 6,960 kilos; Great Britian, 5,928 kilos; Switzerland, 1,475 kilos; Singapore, 1,286 kilos and the United States, 1,044 kilos.

Copals.—The advancing movement of the past several weeks seemed to have run its course last week. At least, there were no price advances reported. The primary markets continued strong however, and there was a lively interest on the part of buyers here.

Dammars.—The market was lacking in price feature last week. The Batavia and Singapore gums have held for the past two weeks without advance but the markets here and abroad were quite strong.

Synthetic Resins

The ester gum market continued in a very tight position. The advance in glycerin prices a week ago and the scarcity of that article, coupled with the maintenance of resin at relatively high levels, gave ester gums a very strong underposition. Present prices, which was the highest in some years, were firm at 11½c. per pound for car lots, 11¾c. per pound for 10 drum quantities and 12c. per pound for smaller lots.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

MAPICO BROWNS are 1-Pigment COLORS

THESE pure oxides of iron give in a single pigment colors which can be produced otherwise only by combining two or more dissimilar colors—and they cost less than such combinations. MAPICO Browns are made in four rich shades, all of which give required tints with a minimum of pigmentation. They impart a high gloss to a finish and retain it to an unusual degree. To the manufacturer and chemist seeking uniform, dependable, economical browns, these superior pigments are recommended. They are easy to grind, permanent in color, give maximum coverage with great hiding power, and are unaffected by sun, water, acids or alkalis.

MAPICO Colors

The Ultimate in Tinctorial Strength in Pure Iron Oxides

Technical inquiries are invited, and will receive immediate response.

MAGNETIC PIGMENT CO.
DIVISION COLUMBIAN CARBON CO.
BINNEY & SMITH CO.
Sole Selling Agents
41 East 42nd Street, New York, N. Y.

Especially Suited to FLOOR and DECK PAINTS QUICK DRYING ENAMELS OIL STAINS

MAPICO

YELLOWS
REDS
BROWNS
BLACK

Naval Stores

Price movements in Southern markets for naval stores were generally within comparatively small or moderate limits last week and the situation as a whole remained much as it was in the previous period. So far as the local market was concerned, many buyers appeared inclined on the eve of the Lincoln's Birthday holiday to limit their takings to small quantities, especially as there was nothing very stimulating in the way of primary developments. Reports continued to be heard of negotiations for further blocks of the government holdings of rosin, but nothing definite was available as to actual transactions and, according to some usually well informed members of the trade, rumors of further sales were unfounded.

Daily sales of rosin in primary markets to domestic purchases as officially reported were comparatively light and private transactions apparently did not involve important quantities. Export business was reported as quiet, though occasional inquiries were received from the Far East. Some in the trade here were disposed to anticipate a further improvement in rosin demand from Far Eastern consumers in the not distant future as freight rates on shipments to that quarter are scheduled for an advance. Offerings of both rosin and turpentine in primary centers were generally light or moderate.

According to consular advices from Toronto, the volume of business in naval stores consummated in the Province of Ontario, Canada, during 1936, was at least 10 percent above that of 1935, the increase being attributed to greater activity in the principal consuming industries, namely, the paint, varnish and rubber manufacturers. Canada does not possess any domestic source of supply for naval stores and the entire demand is furnished by imports. The United States continues to be the chief source of supply for the products. There is very little turpentine, rosin and other naval stores products imported into Ontario from Europe. Several months ago two car lots of Russian rosin were purchased by an Ontario firm from a cargo of 1,000 barrels landed at Montreal.

Turpentine.—The local market continued quiet last week, buying interest before the holiday on Friday being limited to comparatively small quantities with the movement of such lots for the week apparently not of much importance in the aggregate. There was nothing stimulating in developments in the Southern centers, where the daily sales as officially reported were small. On the other hand offerings in primary markets were light and the undertone there was regarded as steady or firm. The movement from the interior to the seaboard continued to diminish.

SAVANNAH, Feb. 11.—Turpentine was quiet but the market had a steady tone. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Receipts.	Shipments.	Stocks.
*Saturday	..	...	...	...	.....
Monday	41	59	62	10	28,701
Tuesday	42	18	65	1,025	27,741
Wednesday	42	9	72	...	27,813
Thursday	42	10	14	81	27,746

* Market closed.

JACKSONVILLE, Feb. 11.—A steady tone continued to prevail in the turpentine market. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Receipts.	Shipments.	Stocks.
*Saturday	..	...	...	...	.....
Monday	41	...	66	45	40,302
Tuesday	40¼	...	42	73	40,271
Wednesday	40¼	...	18	...	40,289
Thursday	40¼	...	12	929	39,372

* Market closed.

PENSACOLA, Feb. 6.—Turpentine was quiet and steady. Following is a record of the market for the week:—

	Barrels Receipts.	Shipments.	Stocks.
Monday	11	162	23,361
Tuesday	19	...	23,380
Wednesday	..	161	23,219
Thursday	2	...	23,221
Friday	..	...	23,221
Saturday	4	...	23,125

CHICAGO, Feb. 11.—Anticipating the opening of the season of better consumption, some sellers of turpentine are taking a firmer attitude toward the market. Buying in some situations also has appeared a little better lately. Still, many buyers are reluctant to enter the market for substantial quantities of material. Inquiries are coming in rather well. Ruling prices at the close of business last night were:—Five-drum lots, 51c. per gallon; five wood barrels, 56c.; single drums, 54c.; single barrels, 59c.

LONDON, Feb. 11.—Quotations on turpentine were as follows:—

	Per cwt. In bbls. s.	d.
Saturday	41	6
Monday	41	3
Tuesday	41	0
Wednesday	41	0
Thursday	41	0

Rosin.—Local quotations showed irregularity last week in company with prices in primary centers, changes on most grades being within moderate limits. Offerings in southern markets were generally light or moderate and the undertone there was apparently firm despite the absence of any broadening of trade. There was a fair inquiry from domestic buyers but few consumers were disposed to purchase in advance to any material extent. Occasional foreign inquiries were received but actual business for export was reported as unimportant. Receipts in primary markets were moderate and the indications seemed to point to diminishing arrivals during the remainder of the current month.

SAVANNAH, Feb. 11.—Changes in rosin quotations were generally moderate. Following is a record of the market for the week:—

	Price per unit—Low of range quoted *Sat.	Mon.	Tues.	Wed.	Thurs.	†Fri.
B	...	$8.80	$8.75	$8.75	$8.75	...
D	...	9.00	8.90	8.90	8.90	...
E	...	9.30	9.25	9.25	9.30	...
F	...	9.50	9.55	9.55	9.70	...
G	...	9.75	9.55	9.55	9.70	...
H	...	9.75	9.55	9.55	9.75	...
I	...	9.75	9.55	9.55	9.75	...
K	...	9.75	9.55	9.55	9.75	...
M	...	9.75	9.55	9.55	9.75	...
N	...	9.75	9.75	9.75	9.85	...
WG	...	10.25	10.25	10.25	10.25	...
WW	...	12.00	12.00	12.00	12.00	...
X	...	12.00	12.00	12.00	12.00	...
		Barrels				
Sales	...	461	181	...	97	...
Receipts	...	950	620	662	535	...
Shipments	...	481	2,692	460	513	...
Stocks	...	68,401	66,329	66,531	66,553	...

* Market closed.
† Holiday.

JACKSONVILLE, Feb. 11.—Rosin offerings were moderate and the market had a firm undertone. Following is a record of the market for the week:—

	Price per unit—Low of range quoted *Sat.	Mon.	Tues.	Wed.	Thurs.	†Fri.
B	...	$8.80	$8.75	$8.75	$8.75	...
D	...	9.00	8.90	8.90	8.90	...
E	...	9.25	9.25	9.25	9.25	...
F	...	9.50	9.25	9.55	9.55	...
G	...	9.50	9.25	9.55	9.55	...
H	...	9.50	9.25	9.55	9.55	...
I	...	9.50	9.25	9.55	9.55	...
K	...	9.50	9.25	9.55	9.55	...
M	...	9.50	9.25	9.55	9.55	...
N	...	9.60	9.65	9.65	9.65	...
WG	...	10.00	10.00	10.00	10.00	...
WW	...	11.70	11.70	11.70	11.70	...
X	...	11.70	11.70	11.70	11.70	...
		Barrels				
Sales	...	724	62	...	...	...
Receipts	...	606	410	150	283	...
Shipments	...	156	210	...	1,733	...
Stocks	...	61,946	62,146	62,296	60,846	...

* Market closed.
† Holiday.

PENSACOLA, Feb. 11.—The rosin market was quiet. Following is a record of the week:—

	Barrels Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Receipts	79	92	...	49	...	45
Shipments	805	200	...	244	...	...
Stocks	24,288	24,180	24,180	23,985	23,985	23,943

CHICAGO, Feb. 11.—Quietness continues to exist in the rosin market, with actual business somewhat limited in volume. The recently noted effect of flood conditions on the general market situation seems to be abating, but buyers are remaining somewhat apathetic. Tone of the market as a whole appears to be continuing fairly steady, but there is no particular snap or vigor noted. Ruling prices at the close of business last night were:—B. grade, $11.80 per lot of 280 pounds; G grade, $12.75; M grade, $12.75; W.W. grade, $15.

LONDON, Feb. 11.—Quotations on American rosin were as follows:—

	Per cwt. in barrels Common. s.	d.	W.W. s.	d.
Saturday	23	7½	28	6
Monday	23	7½	28	6
Tuesday	23	7½	28	6
Wednesday	23	3	28	3
Thursday	23	3	28	3

Pine Oil.—The market remained in the same steady position noted in recent preceding weeks. Business lacked snap but there was a fair demand for moderate quantities.

Pitch.—Quotations were generally stationary and the market continued to present a firm appearance. Demand was fair. Offerings on spot were reported as light.

Rosin Oil.—A firm tone continued to prevail in the local spot market despite further irregularity in basic material in Southern centers. Demand was fair.

Tar.—Previous selling schedules remained in effect, the tone of the market being firm. There was a steady movement into local and outside consuming channels.

Shellac

Little change came over the shellac market last week. For the most part, sellers reported business to be along

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

★ ★

IMPERIAL COLORS

So EASY to get;
So HARD to equal!
Warehouses most everywhere.

★ ★

IMPERIAL PAPER AND COLOR CORPORATION

PIGMENT COLOR DIVISION

THE LARGEST MANUFACTURERS OF CHEMICAL PIGMENT COLORS IN AMERICA

General Offices: GLENS FALLS, N. Y.

Branch Offices and Warehouse Stocks:

Baltimore, Boston, Chicago, Cincinnati, Cleveland, Dallas, Detroit, Los Angeles, Louisville, New York City, Philadelphia, Pittsburgh, San Francisco, Seattle, St. Louis, Toronto

Metallic Soaps for Your SPECIFIC PAINT REQUIREMENTS

● Use Metasap Metallic Soaps formulated to meet your own specific paint needs. Metasap laboratories are prepared to offer you authoritative information on the selection and use of metallic soaps to fit your paints.

This laboratory information is available without cost or obligation. It will help to make your product better. Write today for details.

METASAP CHEMICAL COMPANY

PALMITATES - STEARATES OF ALUMINUM, CALCIUM, LEAD, ZINC

CHICAGO HARRISON, N. J. CEDARTOWN, GA. BOSTON SAN FRANCISCO

"SUCO"
Ultramarine Blues
Alkali Blue Toners
Methyl Violet Toners
Blanc Fixe
•
STANDARD ULTRAMARINE COMPANY
HUNTINGTON, W. VA.

Shawnee
DRY COLORS
Color Content Guaranteed
Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Lake Colors
Ultramarine Blue
KENTUCKY COLOR & CHEMICAL CO.
Incorporated
General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents in Principal Cities
Distillers of Coal Tar Products

routine and quiet lines with volume failing to reach important or substantial size. Notwithstanding the absence of larger consuming requirements, sellers were fairly firm in their prices. They viewed the basic position of the article in Calcutta and London to be one of firmness and pointed to the absence of wide swings in foreign market prices in substantiation of their views. During the past week Calcutta and London moved within somewhat narrow limits and it appeared that, for the most part, sellers in the foreign markets were content to await the resumption of a more lively demand, holding prices fairly steady in the meantime. The close of the week found the market comparatively quiet.

Calcutta, Feb. 11.—Prices quoted on pure T.N. c.&f. New York, basis of sterling exchange at $4.88, were as follows:—

	Per pound. Feb. 11.	Feb. 5.
February	12⅛c	12⅛c

Quotations in cents per pound were subject to correction in accordance with the rate of exchange prevailing on London.

Day-to-day prices were as follows:—

	Per pound.
February 5	12⅛c
February 6	11⅞c
February 8	11⅞c
February 9	12c
February 10	12⅛c
February 11	12⅛c
*February 12	....

* Holiday.

London, Feb. 11.—London quotations basis of sterling exchange at $4.88, for shellac for later delivery have been as follows (the quotations in United States currency represent prices here and include other handling charges):—

	February 11 Shillings. Cwt.	Cents. lb.	February 5 Shillings. Cwt.	Cents. lb.
March	52	11.3	51½	11.2
May	53	11.5	52½	11.4

Quotations in cents per pound were subject to correction in accordance with the rate of exchange prevailing on London.

THE BRADLEY STENCIL MACHINE

MACHINES TO CUT ½ in., ¾ in., 1¼ in., 1½ in. LETTERS
CUTS PAPER SHIPPING STENCILS
A. J. Bradley Mfg. Co.
101 Beekman Street New York

Day-to-day closing prices were as follows:—

	Per hundredweight March.	May.
February 5	51s 6d	52s 6d
February 6	51s 6d	52s 6d
February 8	52s ..	53s ..
February 9	53s ..	54s ..
February 10	52s ..	53s ..
February 11	52s ..	53s ..
*February 12	... ..	... ..

* Holiday.

Lacquer Materials

The market for lacquer materials noted a fair demand during the week just closed. Butyl alcohol continued as the strong feature. Reports from Detroit stated that the strike in the General Motors plants had been settled. Terms of the settlement were that recognition by General Motors of the United Automobile Workers Union would be on the basis of the membership only; that the question of hours, wages and other issues will be negotiated at the conference February 16. However, the sit-down strikers will give up the plants so that production can be started immediately. Announcement was also made by General Motors that a blanket 5c. per hour raise would be given to all workers, effective February 15, a day previous to the time set for negotiating the question of wages with the CIO.

Acetone. — Demand continued fair during the week just closed. Prices were steady to firm at levels in effect previously.

Butyl Acetate.—A fair demand was reported for this material again last week. No change was disclosed in quotations.

Butyl Alcohol.—This market noted a strong tone throughout the week. Shipments were moving out in good volume. Prices were unchanged.

Diethyleneglycol.—A fair demand was reported for this material. The market was listed at 19c. per pound for tank-cars; car lots, 20c. per pound, and less car lots, 21c. per pound.

Ethyl Acetate.—A firm tone continued in evidence for this material. Usual consumers were supplying a good call.

Tricresyl Phosphate. — This market presented little change during the course of the week just closed. Demand was good and quotations were firm.

Driers

The market for stearate driers was not more than mildly active last week. The suppliers stated that the trade was still covered for current requirements under the heavy purchases made in December. The market's position was strong because of the several advances in the price of stearic acid since the current prices for stearates were established. Contract prices for the second quarter of the year will likely appear around the middle of next month and the sellers indicated that the prices will be substantially higher than those now in force.

Glues and Binders

Casein.—The market was more active than it was a week ago and last week's trade was perhaps somewhat larger than the receipts of material from the country during the same period. The prices for domestic and foreign materials were unchanged.

Glues.—The strength of the market was maintained last week and the possibility of higher prices was not at all remote. Ever since the first of the month when large sellers advanced hide glue prices on an average of 1c. per pound, the trade has been expecting a general mark up of quotations. Bone glues were unchanged.

Balto. P. V. L. A. to Submit Patman Queries to N.P.V.L.A.

The Robinson-Patman act was the especially assigned topic of discussion at the January meeting of the Baltimore Paint, Varnish and Lacquer Association, in the Belvedere Hotel, Baltimore. C. Burch Athey, of the C. M. Athey Paint Company, the president, asked for questions and announced that all would be answered by those who had been through related experiences. This gave rise to a lively exchange of views. As to some of the subjects touched upon decided differences of opinion developed, and in order to get a fair ruling on these questions, Alfred Day, secretary, was instructed to put them before the National Paint, Varnish and Lacquer Association at Washington for its interpretation. The matters specifically involved were:—

For meeting competition in a specified city or town, may a manufacturer sell to one dealer at a price less than that at which he would sell to another dealer in the same town, this reduced price being used only to meet competition from another manufacturer in that city?

May a nationally operating manufacturing company, selling its products throughout the country to dealers on a consigned stock basis, giving them control of the sale and distribution, sell to consumers or dealers at the same price?

Relative to industrial sales, the question was submitted as to the application of the act to sale of materials by manufacturers to users for maintenance of plant and equipment, the question being:—

Does the act apply to such sales or does it cover only sales made to jobbers and dealers for resale, and does the manufacturer have the right to make special prices to such industrial users?

The special program committee, of which Lloyd E. Stegner, of the Sherwin-Williams Company, is chairman, announced that the February meeting would deal with the operation of the Social Security act, and that the address on this subject would be made by the chairman of the national committee.

Canfield Oil Company has elected the following officers:—President, C. M. Lean, in place of the late Louis Carruth; vice-presidents, J. A. Jackson and H. M. Carruth; secretary, J. R. Nelson, and treasurer, A. L. Bailey.

mineral pigments
NATURAL AND SYNTHETIC
PURE CHROMIUM OXIDES are STRONG - INERT - PERMANENT
C. K. WILLIAMS & COMPANY
EASTON·PENNSYLVANIA

Ansbacher Siegle
COLORS
ANSBACHER
General Offices, Works and Laboratories
ROSEBANK, STATEN ISLAND, NEW YORK, N. Y.
Boston, Chicago, Los Angeles, Cleveland, Detroit, San Francisco, Richmond, Toronto, Canada
TRADE MARK
REG. U.S. PAT. OFF.

Oils, Fats and Waxes

Tallow Offerings Light and Market Firmer—Chinawood Oil More Active and Stronger — Babassu Reduced — Palm and Palm Kernel Oils Lower for Shipment—Cottonseed Quiet

Further reductions in prices were recorded in the market for miscellaneous oils, fats and greases last week, but the declines were smaller in number and extent than in recent preceding weeks, while in some instances the trend was upward and the tone of the market in general seemed to have undergone improvement. Business was more active, especially in the case of vegetable oils. Consumers were still disposed to adhere to a conservative policy in purchasing operations in view of recent developments in lard and cottonseed oil futures, but an increase was noted in the volume of orders for various commodities

Chinawood oil was again a firm feature of the list of vegetable products, the trend of prices being upward in company with strength abroad where the market was influenced by a shortage of supplies. Offerings from exporters were reported as light. Crude coconut oil was met with a somewhat better inquiry and the market had a steadier tone. Edible coconut oil was lower. Babassu oil was again reduced by domestic producers. Quotations on palm and palmkernel oils for shipment from abroad were reduced. A sharp advance occurred in olive oil foots owing to reports of the placing of a duty on exports from Italy.

Among the fish products, whale oil remained very firm though quotations were without further change. Menhaden and sardine oils were held at recently advanced levels. Tallow oil was available at lower prices but quotations on other animal oils were generally stationary. Cash lard was irregular in company with futures, changes in quotations being moderate. Greases met with a fair demand and the market was firmer. Tallow was quieter but offerings were generally light and the market had a firmer tone.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Chinawood oil, tanks, ½c. per lb.
Grease, ⅛c. to ¼c. per lb.
Linseed oil, 2-10c. per lb.
Olive oil foots, 1½c. per lb.
Tallow, ½c. per lb.

Reduced

Babassu oil, ¾c. per lb.
Coconut oil, edible, ¼c. per lb.
Copra, 15-100c. per lb.
Cottonseed oil, imported, ⅛c. per lb.
Lard, Western, 10c. per 100 lbs.
Palm oil, ¼c. to ½c. per lb.
Palmkernel oil, ½c. per lb.
Stearin, ¼c. per lb.
Tallow oil, 62½c. per 100 lbs.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
154.6	155.8	159.6	124.1

Market news that may have developed after this report was sent to press will be found on page 4.

Vegetable Oils

Babassu.—The situation was easier, 10½c. per pound being quoted in tankcars for May delivery against 11¼c. per pound in the previous week. The inquiry was good and the output continued to move steadily into consuming channels.

Chinawood. — Developments in the primary market were again of a strengthening character and the tone of domestic centers was firmer, prices on tankcars here showing an advance at one time of about ½c. per pound. During the latter part of the week the situation abroad was quieter, preparations being under way for the celebration of the Chinese new year. Early in the week the trend of prices there was upward, the stronger situation being attributed to a shrinkage in stocks at Hankow as a result of delay in river and inland transportation. Offerings from abroad were noticeably light much of the time. There was some improvement in the inquiry here. Such transactions as were reported did not involve important quantities but the volume of business closed for the week showed an increase over the previous period.

Coconut.—The market for crude had a steadier tone despite further irregularity in copra abroad. For spot oil in tankcars 8¾c. per pound was quoted while for futures 8¼c. to 8½c. was named, according to delivery. Some sellers remained out of the market, not being in a position to offer. There was a somewhat better inquiry though actual business was limited to unimportant quantities. A steadier tone in some other vegetable products had the effect of stimulating buying interest to some extent, however, and in some circles there was a disposition to take a more favorable view of the outlook for trade and prices. Edible oil was easier at 14c. per pound in tankcars, tax included.

Cottonseed.—Edible oil prices were maintained at previous levels by domestic refiners, the tone of the market being steady. Consumers did not show much disposition to anticipate in view of recent developments in the markets for other commodities but there was a fairly active demand for moderate quantities. Imported semi-refined oil for shipment from Brazil and England was easier, quotations being shaded about ⅛c. per pound. The inquiry was reported as light.

Oiticica.—A firmer tone was the result of the strength displayed by chinawood oil, the upward trend of the latter product having a tendency to stimulate interest on the part of consumers. Stocks appeared to be light and quotations in some instances were ¼c. to ½c. lighter.

Olive.—The market for foots was much stronger, quotations being 1½c. to 3c. per pound higher with the figures purely nominal. Holders of the light supplies were not disposed to offer owing to a report that the Italian government had placed a duty of three cents per pound on exports. Denatured oil was still scarce and quotations on edible oil was also nominal. An official report stated that the production of oil from the olive crop now being harvested in the producing countries of the Mediterranean Basin will be light and, with the exception of 1930-31, the smallest in recent years.

Palm.—Niger oil for shipment was lower though offerings were said to be light. Supplies on spot were limited and prices were mainly nominal. Quotations on softs for bulk shipment were about ½c. per pound lower. Palmkernel oil was quoted at 7.30c. for shipment in bulk as compared with 7.70c. in the previous week.

Perilla.—A somewhat better inquiry was noted as a result of the developments in chinawood oil but actual transactions were apparently limited to unimportant quantities. Supplies in some quarters were reported as very light. Quotations were generally stationary and the tone of the market appeared to be steady.

Rapeseed.—The market was quiet but supplies are small and quotations were maintained at previous levels. Shipments of seed from India to the United Kingdom and the Continent from January 1 to January 27 were 8,300 tons against 3,400 tons in the same time last year.

Soybean.—There were reports of a rather better inquiry, buying interest being stimulated to some extent by a firmer tone in some other paint oils. The market had a steady tone.

Markets at Other Centers

San Francisco, Feb. 9.—Vegetable oils mostly ruled higher last week, while the market was reviving somewhat in interest. The long strife connected with the maritime deadlock was at an end while importers wrangled over the problem of getting shipment dates in line once more. Steamer space out of the Orient is at a premium and there is no possibility of booking prompt shipment business at the moment for Pacific passage.

Ruling prices are:—

BABASSU.—Strictly nominal, in the absence of offerings. Quoted at 10½c. per pound in tankcars, f.o.b. mill, Pacific Coast, March-April shipment.

COCONUT.—Mostly ruling in nominal position. The spot market is practically bare, with forward shipments quoted at 7⅝c. per pound. f.o.b. Pacific Coast in tankcars. Mills in this area are started on production once more as thousands of tons of copra continue to pour out of strike-bound ships.

CHINAWOOD.—Stronger. Spot or February oil, shipment from the Pacific Coast, is quoted today at 14¾c. per pound in tankcars, f.o.b. San Francisco. March forward, into July, quoted for shipment from the Orient, at 13.80c. per pound.

COTTONSEED. — Steady. Semi-refined foreign oil is quoted as follows:—Brazilian, 10.55c. per pound, duty paid in tankcars, f.o.b. Pacific Coast; Japanese, 10¾c. per pound, February-April shipment

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Highest Quality
Saponified
RED OIL
Highest quality oil made for lubricating wool and for Textile Soaps.
STEARIC ACID
Single, Double and Triple Pressed—Cakes, Powdered and Flakes
Established 1840
EMERY INDUSTRIES, Inc.
Formerly THE EMERY CANDLE CO.
CINCINNATI, OHIO
New York Office, 2116 Woolworth Bldg.
Telephone Cortlandt 7-1742-1743

STEARIC ACID
Single Pressed and Double Pressed
Now available in either cake or flake form
Triple Pressed
IVORY BRAND
RED OIL
(OLEIC ACID)
RUBY OLEINE BRAND (distilled)
STAR BRAND (saponified)
CANARY BRAND
(very pale yellow, especially suitable for best types of dry cleaners' soaps.)
PROCTER & GAMBLE
MAIN OFFICES
Gwynne Bldg., Cincinnati, Ohio
205 E. 42nd St., New York City
Branches and stocks in all large cities

THE BRODÉ CORPORATION, MEMPHIS TENNESSEE
COTTON SEED MEAL, CAKE, HULLS, HULL BRAN, CRUDE AND REFINED COTTON SEED OIL, PEANUT AND SOYA BEAN PRODUCTS
Codes: Yoppa, Robinsons, Bentleys, A. B. C. 5th Edition

A. GROSS & CO.
We Specialize in WHITE OLEINE
Since 1837 Manufacturers of Saponified and Distilled
FLAKE STEARIC ACID STEARIC ACID RED OIL
FATTY ACID GLYCERINE
STEARIC and BEESWAX CANDLES CHURCH ACCESSORIES
Sales Office: 122 East 42nd Street New York
Factories: Newark, N. J., and Baltimore, Md.

DEPENDABLE FATTY ACIDS
Woburn Fatty Acids are the logical result of high-grade raw materials, modern equipment, strict factory control and constant research.
DISTOLINE (vegetable oleic acid)
OLIVINE (olive oil replacement)
IRONFREE WHITE OLEINE
COTTONSEED OIL FATTY ACIDS
COCOANUT OIL FATTY ACIDS
DRY CLEANING SOAP FATTY ACIDS
LINSEED OIL FATTY ACIDS
PALM OIL FATTY ACIDS
SOYBEAN OIL FATTY ACIDS
CASTOR OIL FATTY ACIDS
SUNFLOWER FATTY ACIDS
CHINAWOOD OIL FATTY ACIDS
Samples and detailed information on the products in which you are interested will be sent gladly.
WOBURN DEGREASING COMPANY OF N. J.
Chemical Division
HARRISON, NEW JERSEY

Stearic Acid
for all purposes
RED OIL ••• GLYCERINE ••• CANDLES
THE M. WERK CO., CINCINNATI, OHIO, U. S. A.
Established 1832
New York Sales Office • 15 Moore St., • New York City
Chicago Sales Office • 4103 So. La Salle St., • Chicago, Ill.

when FILTROL is used

Manufacturers in widely varying lines, after careful analysis and check, report two important advantages resulting from the use of FILTROL. It lowers operation costs and it effects definite betterment of quality.

Producers whose operations involve the refining of oils, fats, waxes and other liquids, report complete satisfaction wherever FILTROL is employed as a purifying, decolorizing and filtering agent.

This powerful adsorbent clay is available in two types. Our technical staff will gladly cooperate with you regarding any production problems. A request will bring samples for laboratory tests.

• ADDRESS DEPARTMENT A •

FILTROL CORPORATION

315 WEST FIFTH STREET, LOS ANGELES, CALIFORNIA

BRANCHES: New York • Philadelphia PLANTS: Los Angeles • Jackson, Miss.

EUROPEAN REPRESENTATIVE
Dr. Hermann Bensmann
Postfache 482
Bremen, Germany

ARGENTINE REPRESENTATIVE
Rolando J. Longoni
441 Bme Mitre
Buenos Aires, Argentine

CHLOROPHYLL
BETA CAROTENE XANTHOPHYLL
ALL GRADES AVAILABLE
AMERICAN CHLOROPHYLL, Inc., 570 Lexington Ave., New York - Alexandria, Va.

SEITZ FILTERS

More than 100,000 are working either on
CLARIFICATION or COLD STERILIZATION
of all kinds of liquids.

AMERICAN SEITZ FILTER CORPORATION
Offices: 31 Union Square, New York City *Factory:* Paterson, N. J.
SAN FRANCISCO • SEATTLE • CHICAGO • TORONTO, CAN.

TALLOW
LARD OIL
NEATSFOOT OIL
ANIMAL STEARINE
ACIDLESS TALLOW OIL

INDEPENDENT MFG. CO.
Bridesburg P. O. Philadelphia, Pa.

FALKOVAR YY

This is a new oil, low in price and high in quality, which is finding excellent application in Red Oxide Paint, Tinners Red, Freight Car and Maintenance Paints, as well as a base for Tints.

Samples and descriptive literature sent upon request

FALK QUALITY SINCE 1910 PRODUCTS

FALK & COMPANY
PITTSBURGH, PA.

from the Orient, subject to steamer space being available.

PERILLA.—Steady, with the spot market here reported as bare. For shipment from Japan, perilla is quoted on the basis of 10½c. per pound in tankcars, f.o.b. Pacific Coast, March-April.

TEASEED.—Quoted at 10.20c. per pound in drums, c.l.f. Pacific Coast for April shipment from the Orient, subject to steamer space being available.

SESAME.—Purely nominal. Crude oil is quoted at 10½c. per pound in tankcars, f.o.b. Pacific Coast.

COPRA.—Resumption of activity in copra crushing mills up and down the Pacific Coast during the past few days—since the termination of the shipping strike—apparently has been the main feature of the market. Buyers here last week, however, found the market easing a trifle and there were reported a few routine transactions for various shipment positions, mostly in the future. There is plenty of copra on the Coast to last for some time. Quoted:—4.75c. per pound, c.i.f. Pacific Coast ports.

Chicago, Feb. 11.—With certain exceptions, vegetable oils are ruling somewhat lower in price. Buyers are taking their time in placing orders, and along with this offerings are beginning to find their way out into the market. Price conditions appear to have been affected only moderately, and a fair amount of material in most classifications is moving. Still, buyers are slow in taking out anything except that material needed for early requirements. Chinawood is an exception, having shown strength and higher prices.

COCONUT.—Crude oil, 8¼c. to 8½c. per pound, prompt shipment; 7¾c. to 8c., deferred, Coast basis. Refined, edible oil, 14c. to 14½c., per pound, drums, car lots; and 14¾c. to 15c., drums, less than car lots.

CORN.—Crude, low acid, 10⅜c. to 10½c. per pound, mills, partly nominal. Refined, edible oil, 13¼c. to 13½c. per pound, drums, car lots; and 13½c. to 14c., drums, less than car lots.

CHINAWOOD.—Ruling, spot, drums, 15⅞c. to 16c. per pound; futures, 14⅜c. to 14½c.

SOYBEAN.—Crude, deferred shipment, 9⅞c. to 10c. per pound, mills.

PEANUT.—Crude, 10¼c. to 10½c. per pound.

Chicago, Feb. 11.—Range of soybean prices for the week ended February 9, 1937:—No. 2, yellow, spot, high, $1.62¼; low, $1.59.

London, Feb. 4.—Soybean oil, British crude, 35s. per hundredweight; palm kernel oil, refined, 45s. per hundredweight; rapeseed oil, crude extracted, 35s. per hundredweight; coconut oil, Ceylon, 36s. per hundredweight; peanut oil, Bombay, crude, 32s. 6d. per hundredweight.

Linseed Oil

Domestic flaxseed markets were firm much of the time last week. Changes in Buenos Aires prices were narrow. Linseed oil firmer. Cake and meal steady.

Flaxseed—DULUTH, Feb. 11.—Rising prices have been noted in the Duluth flax market in recent sessions, accompanied by more active trading. Influencing buyers has been a stronger market in Argentina, with prices moving upward despite rapid movement of new crop seed. Encouraging for the domestic crop outlook were trade advices that snow covering in the greater part of the Northwest area is above average. Continued scarcity of receipts has made for a dull cash market here.

The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$2.28½	$2.18½	$2.18½
Monday	2.28	2.18	2.18
Tuesday	2.27½	2.17½	2.17½
Wednesday	2.29	2.19	2.19
Thursday	2.29	2.19	2.19

Crop movement in bushels follows:—

	Receipts 1937.	Receipts 1936.	Shipments 1937.	Shipments 1936.
This week.	....	6,407	....	....
Since Aug. 1	1,332,600	3,549,512	911,488	2,405,176

MINNEAPOLIS, Feb. 11.—Demand for cash flax of late has been rather quiet, largely on account of the poor average quality. Good seed is very scarce and is taken readily at firm comparative prices. The poorest type is in very slack demand but holds steady compared with futures. A smaller crusher is seeking good seed and a larger company buys bargains when they are offered. Virtually all of the seed is coming from Minnesota territory, mostly southern Minnesota. Now and then a car strays over the state border.

Conditions in the country are not favorable for farm deliveries and in addition farmers have very little flax left. Interest in the seed flax situation is growing and the government supply of 250,000 bushels that was purchased last fall is not sufficient to take care of much of the acreage planned on. Interior elevator companies and independent shippers have some stuff in reserve but not much. Shippers are sending in their poorest seed promptly on delivery, loads being very light currently. One car containing 50,000 pounds of flax was the heaviest load in some time. A few clean-up cars are coming on the market and some bulk-head lots.

At the moment there is no Argentine flax arriving here but Chicago and interior points are receiving some. Additional cargoes will be unloaded and moved here as needed. Receipts are expected to increase sharply any time. Crushers are not worried over their prospective supply of raw material as yet but have to compete more sharply with European buyers to keep requirements coming to mills in this country.

The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$2.30	$2.21	$2.18
Monday	2.30	2.21	2.18
Tuesday	2.32	2.22	2.19
Wednesday	2.33	2.23	2.20
Thursday	2.31	2.21	2.18

Crop movement in bushels as follows:—

	Receipts 1937.	Receipts 1936.	Shipments 1937.	Shipments 1936.
This week.	22,920	34,020	....	38,350
Since Sept. 1	2,061,560	7,043,360	314,350	974,450

WINNIPEG, Feb. 11.—Trading in flaxseed futures was quiet. Changes in prices were moderate. The week's closing range was as follows:—

	Cash.	May.	July.
Saturday	$1.71	$1.72	$1.71⅝
Monday	1.70	1.71	1.71¾
Tuesday	1.70	1.71	1.69⅞
Wednesday	1.68¼	1.71½	1.70
Thursday	1.69½	1.70½	1.70

BUENOS AIRES, Feb. 11.—Opening prices per bushel on March contracts were:—

	Last week.	Last year.
Saturday	$1.18¾	$1.20¾
Monday	*	1.20¾
Tuesday	*	1.20⅝
Wednesday	1.18¾	1.20⅝
Thursday	1.18½	1.20¾

* Holiday.

REFINED TO EXACTING STANDARDS
Staley's SOYBEAN OILS
A. E. STALEY MFG. CO. DECATUR ILL.

SUPERIOR WHITE DISTILLED FATTY ACIDS
LINSEED, SOYABEAN, CORN, COCONUT OIL
WHITE OLEINE
WECOLINE PRODUCTS INC. *FIFTEEN EAST 26th ST. NEW YORK CITY*

OILS
CHINA WOOD OIL
SARDINE OIL
VARNISH GUMS
SPOT FUTURE
L. N. JACKSON & CO. Inc.
29 BROADWAY NEW YORK, N.Y.

INDIA.—Exports of flaxseed from India last week were as follows:—

To—	Bushels Last week.	Previous week.	Last year.
United Kingdom..	44,000	80,000	.....
Continent	96,000	8,000	4,000
Others	12,000	.....	.....
Totals	152,000	88,000	4,000

Since April 1—	Bushels This year.	Last year.
United Kingdom.....	8,564,000	3,336,000
Continent	986,000	712,000
Others	672,000	868,000
Totals	10,232,000	4,916,000

HULL, Feb. 11.—Quotations on flaxseed were:—

	Per ton La Plata.	Bombay.
Saturday	£11¾	£14½
Monday	11¾	14⅝
Tuesday	11⅞	14½
Wednesday	11¾	14½
Thursday	11¾	14½

Linseed Oil.—The market had a firmer tone, sellers who reduced prices two points at the close of the previous week announcing an advance early last week to the level prevailing prior to the reduction, quotations ranging from 9.3c. to 9.5c. per lb. for tankcars, according to seller.

There were reports at times of a somewhat better inquiry but transactions apparently did not involve important quantities. Withdrawals on unfilled contracts held up well, however, the movement being sufficient to prevent any accumulation of supplies at the mills. According to some in the trade there appears to be little prospect of any material addition to stocks in the near future.

There seemed to be a tendency in some quarters to increase estimates of the consumption during the current season, partly as a result of the flood which will necessitate much rebuilding and painting. Advices from some outside points were to the effect that consumers were manifesting greater interest in distant deliveries, this change in attitude being attributed to the favorable character of reports concerning the trend of business in important consuming industries and also to a renewal of inflationary talk.

According to statistics from an authoritative source, consumption of linseed oil in 1936 was 64,703,639 gallons. The quantity of foreign and domestic flaxseed crushed in the United States during the year was 24,010,928 bushels.

Owing to the holiday here on Friday the Argentina flaxseed exports for the week were not received. According to one report the quantity of seed exported from that country to all destinations up to May 1 will probably amount to about 30,000,000 bushels, leaving only 38,000,000 bushels for shipment during the last eight months of the current year. Shipments of seed from India last week were 152,000 bushels, making a total for the season thus far 10,232,000 bushels against 4,916,000 bushels in the same time last year.

Receipts of flaxseed at New York last week were 377,920 bushels.

MINNEAPOLIS, Feb. 11.—The linseed oil market is in a decidedly muddled state with floods and legislation tending to restrict trade quite decidedly. Crushers are not very anxious to do business under present circumstances and buyers are even less anxious, where larger sized lots are concerned. Argentine strength induced buyers to take on some cooperage and tankcar lots for spring shipment.

Trade in small lots improved some on the last break in the market and were fair. Today there was very little business. Shipping instructions on old and maturing contracts are light to fair, considerable of the volume being held up by flooded conditions through central states and the inability of manufacturers to get back into harness because of damage caused. Crushers look for good business and good instructions when the flood situation clears up and much better interest in large lots when a decision is made regarding proposed legislation.

Some of the buyers are showing interest in deferred, shipment offers on account of fresh talk of inflation. However, none of them are willing to meet crushers views as to value and will not sign important contracts. Crushers have their attention on money matter, too, and are none too anxious to make commitments.

Quotations on carload f.o.b. Minneapolis, February-April shipments, cooperage, 10.3c. per pound, tankcar lots 9.7c. per pound, warehouse lots 10.7c. per pound.

Shipments of oil in pounds were as follows:—

	1937.	1936.
This week.....	1,229,971	1,614,432
Since Sept. 1.....	26,334,077	46,683,886

SAN FRANCISCO, Feb. 9.—The price eased further last week while the amount of new business booked was very small indeed. There was an occasional inquiry for drum lots on the spot, but beyond this buyers did not go. Contract deliveries had not had time to react to the matter of the maritime strike being concluded, and shipments remained small. Local mills were, however, starting up again on flax as ships' cargoes were unloaded and foreign seed became available. Tankcars, 9.7c. per pound; drum car lots ex-mill, 10.3c. per pound; drum lots ex-warehouse, 10.7c.

CHICAGO, Feb. 11.—Despite the fact that sellers are making much of the fact that the season of expanded consumption is near, linseed oil has been doing little noteworthy in a market way. Prices are lower than those at which the product started the month. Tone is dull, and the general market is quiet. Offerings are sufficient to meet the current rate of demand. Ruling prices of representative sellers are:—Tankcar, 9.5c. per pound; car lots, 10.1c.; warehouse deliveries, five drums, 10.5c.

LONDON, Feb. 11.—Quotations on linseed oil were:—

	Per cwt. s.	d.
Saturday	27	3
Monday	27	4½
Tuesday	27	3
Wednesday	27	0
Thursday	27	0

Cake and Meal.—Quiet conditions prevailed last week so far as new business was concerned. There was apparently little if any material available on spot and offerings for future delivery remained light.

MINNEAPOLIS, Feb. 11.—Despite cold weather and lack of important supplies in secondary position the meal market still is slow and easy. Re-sellers are pressing offers to get shipping instructions and crushers now are in a position to offer for nearby shipment on account of steady running on Argentine seed. They are not attempting to compete with the re-sellers currently. Undertone of the market is soft. Shipping instructions on old and maturing contracts are no better than fair.

Old business has been well cleaned up and any new business will have to be cared for through fresh offers, which are ample at the moment.

Quotations on carload lots f.o.b. Minneapolis, 34 percent protein and in 100-pound sacks, $44 to $44.50 per ton.

Shipments of meal in pounds were as follows:—

	1937.	1936.
This week.....	1,669,053	3,350,091
Since Sept. 1.....	49,481,819	92,081,567

CHICAGO, Feb. 11.—An easier tone and a slightly softer market situation has been developing in linseed meal. Deliveries are being made on a fairly extensive basis and accompanying this prices have turned somewhat lower. Feeders are not so anxious to place business now. Sellers of all classifications have meal to offer. Small lot buying is still the principal kind noted. Round lot business is slack. Ruling prices of representative sellers are:—Round lots, $48 per ton, largely nominal; car lots, $48 to $48.50; less than car lots, $50 to $51.

Cottonseed Oil

The local market for refined cottonseed oil futures was quiet and price movements were generally within narrow limits. Offerings of cottonseed products in Southern markets were reported as light.

Cottonseed Oil.—Speculative operations in the market for refined cottonseed oil futures last week showed a very decided contraction and the excitement of the previous week was conspicuous by its absence. On Tuesday only 41 contracts were traded in. This compared with transactions on the previous Tuesday of 609 contracts, the dealings on that day being the largest since the adoption of the present contract. The slump in activity was due to a desire on the part of many traders to await the impending monthly consumption report from the Census Bureau, the semi-monthly statement of lard stocks in Chicago and the government report showing supplies of hogs on the farms of the country.

Uncertainty as to what these reports would show made the generality of the trade disposed to do little more than look on. Opinions differed widely as to the probable showing in the matter of the consumption during January. Estimates of the disappearance ranged all the way from 225,000 to 300,000 barrels or more. Not a few were of the opinion that the consumption would prove to be about 250,000 barrels. Some who estimated the consumption at higher figures, apparently based their views on the fact that oils which compete with cottonseed oil were at peak prices during much of January. There was also much uncertainty as to the effect of the floods on consumption during January.

Fluctuations in prices were very narrow much of the time and devoid of any particular significance. Scattered long liquidation, hedge sales and selling supposedly against purchases of lint cotton were offset by covering of shorts and fresh buying by commission houses and trade interests. Offerings of crude cottonseed oil were light throughout the week and the tone in Southern markets was regarded by many as firmer. In any case, so much of this season's production has also already been sold that few in the trade here were inclined to regard developments in Southern markets as of much importance.

Copra continued to show irregularity abroad, but the tone of the domestic market for crude coconut oil appeared to be steadier. A somewhat better inquiry was noted for that product. Sales of spot tallow were reported at an advance and at times the trend of tallow futures was upward. Babassu oil was reduced again, but domestic producers were not in a position to offer for delivery before May. Palm and palmkernel oils were again lower for shipment and quotations on semi-refined foreign cottonseed oil were shaded slightly.

Marketing of hogs in the West was on a rather moderate scale, but the movement continued to run ahead of this time last year. Arrivals in the principal centers for four days of the week aggregated 215,300 head against 141,900 head in the same time last year. The weight of the hogs received in Chicago during the week ended February 6 averaged 234 pounds, the same as in recent preceding weeks. In the corresponding week last year the average weight of the hogs was 231 pounds. Exports of lard from Atlantic and Gulf ports from November 1 to February 6 were 33,268,602 pounds against 26,987,618 pounds in the same time last year.

Following is a record of the market for bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from February 6 to February 11, inclusive:—

	Cents per lb. in tanks— High.	Low.	Close.	Sales, Tanks.
February ...	...	...	11.05 nom.	..
March	11.24	11.07	11.08 sale	75
April	...	...	11.05 nom.	..
May	11.26	11.05	11.07 sale	132
June	...	...	11.07 nom.	..
July	11.33	11.10	11.14 sale	184
August	...	...	11.10 nom.	..
September ..	11.26	11.04	11.07@11.10	104
Total sales (10 switches).....				505

Crude, Southeast, 10.00c. nom.
Valley, 10.00c. nom.
Texas, 9.87½c. nom.

Hull, Feb. 11.—Quotations on cottonseed oil were:—

	Refined. Per cwt. s.	d.	Egyptian crude. Per cwt. s.	d.
Saturday	31	6	28	6
Monday	32	0	29	0
Tuesday	32	0	29	0
Wednesday	32	0	29	0
Thursday	32	0	29	0

Cake and Meal.—A steady tone continued to prevail in Southern markets although there was apparently little in the way of activity to record. Offerings were light and quotations for spot material were generally held at around recent levels. According to some reports, business was hampered by a lack of adequate transportation facilities due to the floods.

Markets at Other Centers

Atlanta, Feb. 10.—Oil and hulls are the weak spots in cottonseed products. Prime crude oil is now definitely down to 10c. per pound and hulls are off 50c. per ton.

Weather conditions in the Eastern cotton belt continues unfavorable for breaking land.

Quotations of this market are as follows:—

OIL.—Prime crude, 10c. per pound.
MEAL.—7 percent grade, $34 per ton, interior mill points.
HULLS.—Loose, $14 per ton.
SEED.—$45 per ton, shipping points.

Memphis, Feb. 11.—Crude cottonseed oil quiet. Last sales, 10 cents, Valley basis. Unsold stocks at all mill points unusually small. Most buyers well supplied for the time being. Meal steady at $34.50 per ton for 41 percent, Memphis basis. Bulk slab cake, $32 per ton, Mississippi points, February-March shipment. Flood conditions steadily improving.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	February 4.	February 10.
March	$33.00@33.25	$33.75@——
May	32.50@——	32.75@——
July	32.00@32.35	32.00@32.25
September	29.50@30.00	30.00@30.80

Animal Oils

Degras.—There was a fairly active demand and the market retained a firm tone. According to official statistics, production during the final quarter of 1936 was 1,637,351 pounds; consumption 1,706,966 pounds; factory and warehouse stocks at close of December 2,384,462 pounds.

Lard.—Previous quotations remained in effect, the tone of the market being steady. Consumers showed little disposition to anticipate but there was a fairly active demand for moderate quantities for prompt shipment.

Neatsfoot.—The market retained a firm tone, quotations being held at previous levels. Consumers were disposed to follow a conservative course in making purchases.

Oleo.—Demand was quieter and the market apparently had a somewhat easier tone though prices were held at previous levels.

Tallow.—Quotations were reduced 62½c. per 100 pounds. Trade was routine.

Markets at Other Centers

Chicago, Feb. 11.—A slightly reluctant and hesitant attitude is being shown by at least some of the regular buyers in the animal oils market. It is assumed that this arises from the fact that there has been irregularity and some little easiness at times in the basic materials. Orders are coming through from those purchasers who are in need of material, but they are quite cautious and appear to be guarding against excessive stocking up in materials.

LARD.—No. 1, 11⅞c. to 12c. per pound.
OLEO.—No. 1, 12½c. to 12¾c. per pound.
TALLOW.—Acidless, 10⅞c. to 11c. per pound, tanks; 12⅛c. to 12¼c., drums, less than car lots.

Fish Oils

Menhaden.—Selling schedules were maintained at recently advanced levels by refiners, the tone of the market be the firm. There was little change in the character of business. There were reports of a somewhat better inquiry but actual purchases were apparently limited to unimportant quantities. Crude was quiet and nominal as unsold supplies are apparently very small.

Sardine.—Consumers of refined oil showed little disposition to purchase in advance of actual requirements but there was a fair call for small or moderate quantities and the market retained a firm tone. Crude was reported as quiet and steady on the Coast.

Sperm.—Demand was fairly active and the market retained a firm tone, selling schedules being maintained at previous levels.

Whale.—The refined situation continued to be characterized by a firm tone, quotations being held at the sharp advance announced in the previous week. There were reports of a somewhat better inquiry from local and other consumers.

Markets at Other Centers

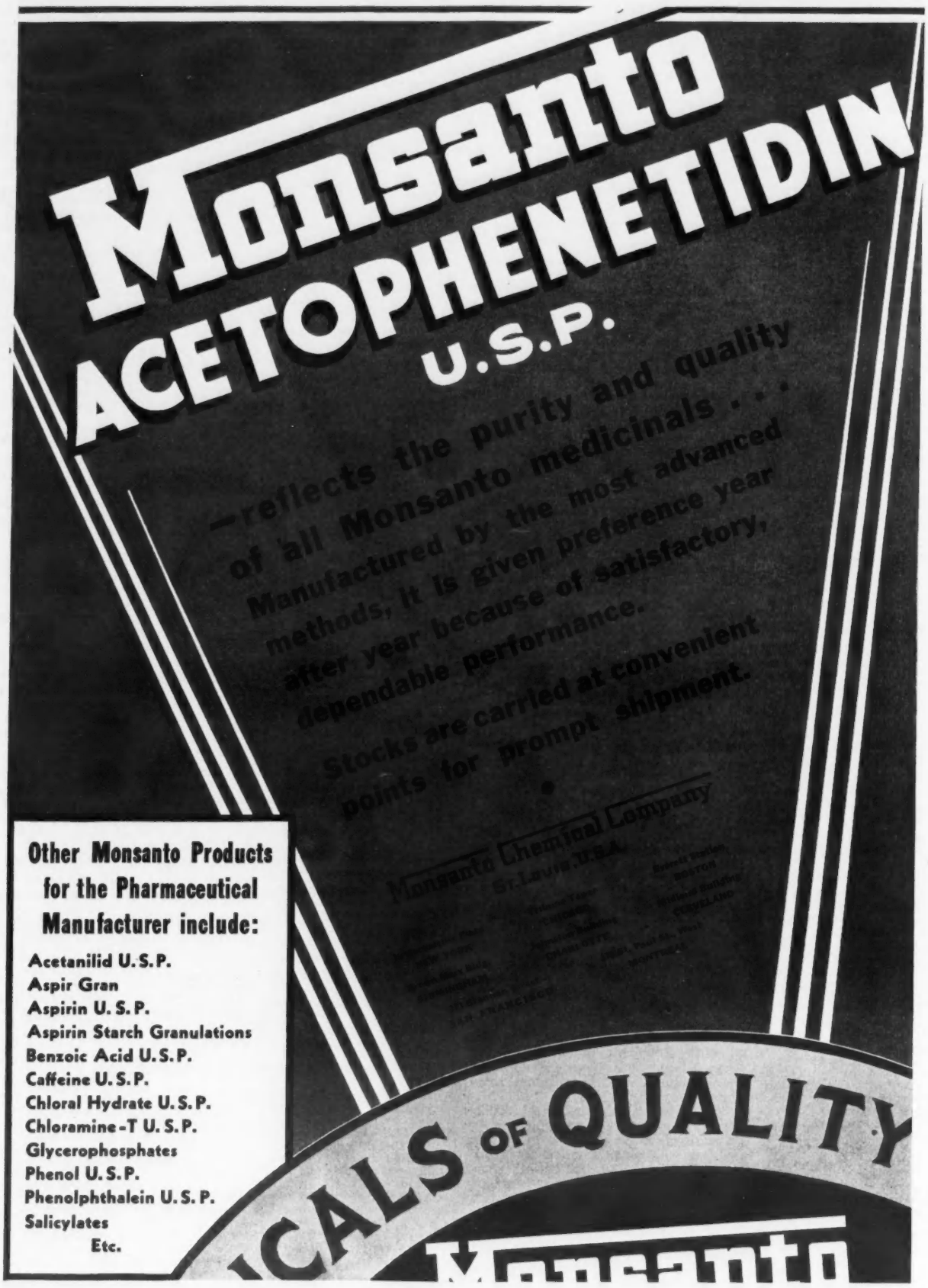
San Francisco, Feb. 9.—Both production and marketing factors in the California sardine oil situation remained quiet during the past week, as storms and heavy weather kept the fishing boats close to shore all up and down the Coast of California. As a result the plants, both at sea and on land were for the most part idle, only one or two days of fishing being possible, and these days were not developing worthwhile catches.

Mostly hinging on production, the markets of necessity were unspectacular, although there was reported the sale of a small quantity of resale oil in the San Francisco district at 49 cents per gallon in tankcars. The market a fortnight or so ago had climbed to 50 cents. Meantime it has been difficult to get any indications at all out of producers, who say in most cases that the entire balance of their potential production is taken up on contract. There are but a few more days of production left for the current season in Northern California, as February 15 will see a general wind-up of all activity, followed a month later by the closing of the season in the Southern California area. There is not expected to be any general holdover of oil at any point, but that matter mostly depends upon the amount sold into speculation this season. It is not thought to be large and any weakening in the general oils and fats structure should bring such stocks onto the market rather promptly, it is seen here.

(Continued on page 49)

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

DARLING'S
STEARIC ACID RED OIL PEARL STEARIC
PITCH WHITE OLEINE GLYCERINE
DARLING & COMPANY
Manufacturers 4203 S. ASHLAND AVE., CHICAGO, ILL. Stocks in Principal Cities



The Annual Drug, Chemical and Allied Trades Banquet will be March 4, 1937 at Hotel Waldorf-Astoria, New York. Plan to attend.

Drugs, Fine Chemicals

Menthol Down as Low Cost Goods Move from Source to Spot —Cocoa Butter Trend Downward — Codliver Oil Imports in 1936 at High Level

Price activity dropped into the background last week in the market for drugs and fine chemicals. The period was free from changing values so far as the market in its most important and broadest aspects were concerned. Lower quotations were noted on cocoa butter and menthol, but the major divisions of the market, such as quicksilver and bismuth metals, mercurials and bismuth salts, strychnine, salts, tartar derivatives, alcohol, bromides, salicylates, and iodides, held to steady prices under the influence of a very good consuming request and a fairly firm cost of production.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Cocoa butter, 3.60c. per lb.
Menthol, 5c. per lb.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
181.5	**181.6**	**181.3**	**187.2**

Market news that may have developed after this report was sent to press will be found on page 4.

Reports from the flooded areas showed that substantial progress was being made in the matter of replacing stocks damaged and lost in the flood. Producers with warehouses in the districts affected were busy arranging for stocks to cover future distribution operations. Wholesalers and jobbers were similarly occupied, in addition to arranging for restocking of drug stores with drugs and fine chemicals, as well as proprietary products of all kinds.

Demand reaching the producers was said to be very good. Factory operations were held to a comparatively high level and the outlook for a continuation of good demand was an earnest of a high level of plant operation. As most basic raw materials were firm in price, the outlook for firm to strong prices on derived products was excellent, it was said.

Acetphenetidin.—A somewhat slower market prevailed locally. The season of best consumption was drawing toward its close and hence the movement to buyers decreased, though not moderately. Prices continued to reflect a substantially steady position.

Agar Agar.—Strong price position was the rule everywhere, but especially in Japan. Shippers' views were based on a comparatively small stock that is unsold at this time. Locally, considerable competition for business was noted, but prices were generally well maintained. Total importations for 1936 were 625,000 pounds, comparing with 451,000 pounds in 1935. The highest import figure for the past nineteen years was 641,000 pounds in 1933.

Alcohol.—Movement of industrial alcohol into consumption was in good-sized volume and at prices said to be in the most satisfactory situation for a number of years. Manufacturing requirements in all trades requiring alcohol were gaining, some rapidly, some slowly, but all steadily rising toward higher levels. The fundamental position of the market was said to be very satisfactory. What the situation may be as regards unused stocks of completely denatured alcohol remains to be developed. The season was not too satisfactory, and it may be that buyers operating under contracts may have a substantial carryover.

Ammonia Benzoate.—A very fair-sized demand prevailed and the producers felt that as Spring advances contract buying will develop along broad lines as consumers cover their Fall needs. Prices were very firm.

Ammonia Chloride.—The season was an active one this year and movement into consumption was entirely satisfactory. However, at the moment a natural shrinkage in the larger aspect of demand has begun and a quiet market was forecast for the future. Undertones continued to be firm.

Ammonia Hypophosphite.—The article in fibre drums cost $1.10 to $1.17 per pound according to quantity, and in jars, it sold for $1.20. Business was normally active and the general price position of the article continued to be steady.

Ammonia Salicylate.—Demand was somewhat less aggressive but there was still a fair-sized requirement to be supplied and hence movement to buyers was along fairly liberal lines. Price-wise, the market held steady to firm.

Arecoline Hydrobromide. — Prices were advanced no further but the undertone continued firm and in view of prevailing cost of replacements, the present schedule was said to be entirely justified. Competition has become substantially less of late.

Barium Sulphate.—In barrels, the X-ray quality of this item was firmly held on the basis of 9½c. to 10c. per pound, while in kegs, the price was 12c. per pound. Routine demand was noted, consisting mainly of smaller requirements of a limited number of buyers.

Bay Rum.—The nominal position of this article continued for the reason that stocks were low and the price to be paid had to be established virtually on each transactions. Merchandise coming forward seemed well engaged by buyers.

Bismuth Metal and Salts.—The position of metal was one of some strength. Production moved rather pomptly into consumption and hence accumulation of stocks sufficient to affect prices adversely was impossible. For this reason, the situation in the sales was noted for firmness of price, backed by a steady, if entirely routine, consuming demand.

Castor Oil.—Importations of beans in 1936 amounted to 164,077,000 pounds, comparing with the 1935 importation of 77,049,000 pounds. Importations of oil totaled 155,000 pounds in 1936, have not been compiled but in 1935, 155,000 pound were imported, comparing with 419,000 pounds in 1934. During the past eight years, the largest importation was 1,281,000 pounds, reached in 1933, which the smallest was 45,000 pounds in 1930.

CHICAGO, Feb. 10.—A quiet and routine type of trade is reported in the castor oil market. Conditions working toward a firmer market seem just about balanced. Orders are moderate volume. Ruling prices are:—No. 1, drums, car lots, 10⅞c. per gallon; drums, less than car lots, 12c.; barrels, car lots, 11⅛c.; barrels, less than car lots, 12¼c.; five-gallon tins, 13¼c.; one-gallon tins, 15¼c.; No. 3, drums, car lots, 10⅜c.; drums, less than car lots, 11½c.; barrels, car lots, 10⅝c.; barrels, less than car lots, 11¾c.

Cocoa Butter.—The market was substantially weaker and fluctuated rather sharply from day to day. By the close of last week, prices were down to the basis of 26c. per pound in car lot quantities and buyers had withdrawn for the most part pending further weakening of values.

Codeine Salts.—Though the season was rather advanced and the period of heaviest consumption was drawing to a close, phosphate and sulphate continued to move in fair sized quantities and at very firm prices.

Codliver Oil.—Trading in local circles was not especially active last week. Buyers seemed to hold fair sized stocks and the supply in hands of importers was sufficient for reasonable needs. Prices were firm. Importations in 1936 totaled 5,790,000 gallons of oil, this comparing with 4,600,000 gallons in 1935. Since 1921, the smallest import of this article came in 1922 in which year 229,000 gallons reached here. The 1936 figures were the highest since 1921.

Creosote.—Some signs of reducing requirements developed last week. The call was more routine in character and tended toward a hand-to-mouth basis as consumers kept inventories as low as possible now that the principal season of consumption was close to an end.

Glycerin.—Further advance in nominal prices failed to come last week

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

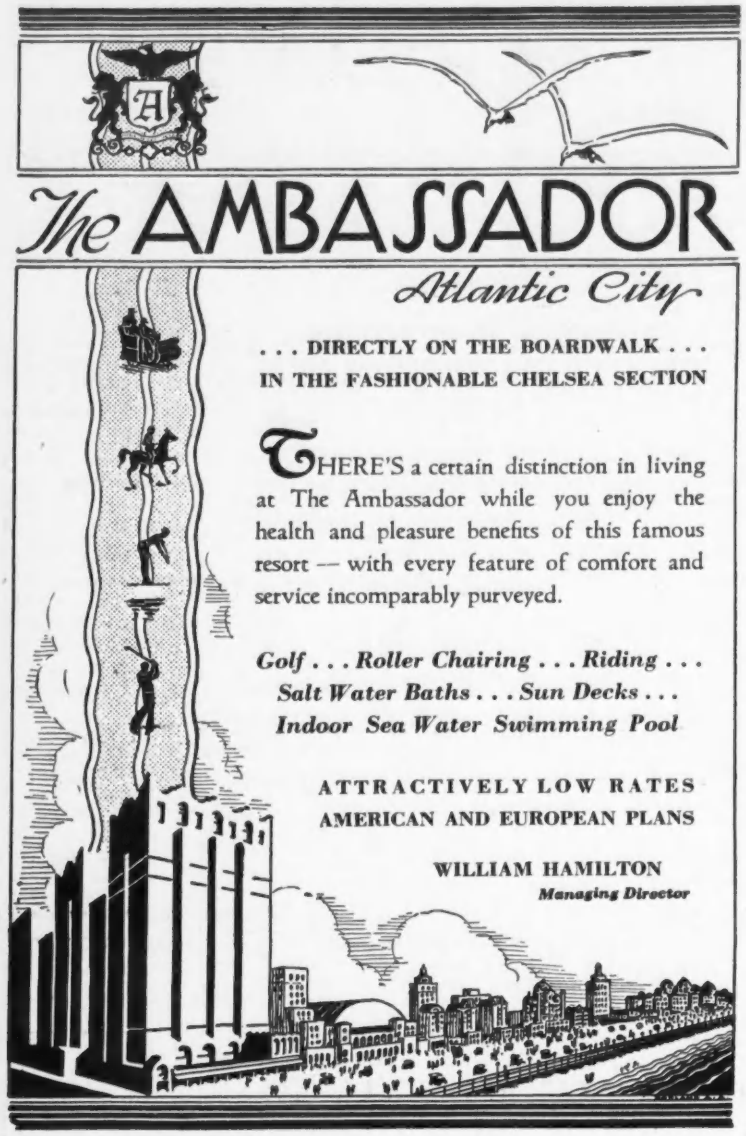
C/P
CHEMICALLY PURE GLYCERINE U. S. P.

PROCTER & GAMBLE
Largest Producers and Refiners of
CHEMICALLY PURE GLYCERINE
Packed in drums and cans
Also other grades—Stocks in principal cities
Gwynne Building, Cincinnati, Ohio
205 East 42nd Street, New York City

RUSSIAN WHITE MINERAL OILS
Genuine Imported U. S. P.
FLAG BRAND WHITE OILS
All Viscosities
TECHNICAL WHITE OILS FOR INDUSTRIAL USE
Stocks carried in New York and other cities
S. Schwabacher & Co., Inc., 25 BEAVER STREET NEW YORK

METHYLENE CHLORIDE
(Dichlormethane)
•
also
Low Boiling Chlorinated Solvents
•
Write us for quotations
BELLE ALKALI COMPANY
Belle, W. Va.

HEYDEN
fine chemicals
TWELFTH ANNUAL
Drug, Chemical and Allied Trades Banquet
AN EVENT OF NATIONAL IMPORTANCE TO THE INDUSTRY
Thursday Evening, March Fourth
AT HOTEL WALDORF-ASTORIA
•
Write or Telephone Your Reservations Promptly to Ray C. Schlotterer, Secretary
41 Park Row, New York City
Telephone — COrtlandt 7-1413
FINE HEYDEN CHEMICALS
HEYDEN CHEMICAL CORP.
50 UNION SQUARE NEW YORK, N.Y.
CHICAGO BRANCH: 150 N. WACKER DRIVE
factories: CARFIELD, N.J. - PERTH AMBOY, N.J.


The AMBASSADOR
Atlantic City
. . . DIRECTLY ON THE BOARDWALK . . .
IN THE FASHIONABLE CHELSEA SECTION
THERE'S a certain distinction in living at The Ambassador while you enjoy the health and pleasure benefits of this famous resort — with every feature of comfort and service incomparably purveyed.
Golf . . . Roller Chairing . . . Riding . . .
Salt Water Baths . . . Sun Decks . . .
Indoor Sea Water Swimming Pool
ATTRACTIVELY LOW RATES
AMERICAN AND EUROPEAN PLANS
WILLIAM HAMILTON
Managing Director

10,000 Money-Making Formulas—Processes—Recipes—Trade Secrets

ALL THE FACTS YOU WANT
—IN ONE BOOK

●

1937 Revised and Enlarged Edition of
HENLEY'S
TWENTIETH CENTURY
BOOK OF FORMULAS

Over 900 Pages Cloth Bound

How to make all kinds of Adhesives and Alloys for every purpose; Anti-Freezing Solutions; Beauty Preparations; Beverages—all kinds; Brass refinishing and renovating; Bronze Powders; Casein, Cement Fillers; Cleaning Preparations; Cosmetics of all kinds; Chromium Plating; Dandruff Cures; Electroplating and Electrotyping; Essences and Extracts of Fruits; Freezing Mixtures; Glazes; Inks of all sorts; Insecticides; Lacquers; Laundry Preparations; Leather; Lubricants; Mirrors; Ointments; Paints; Paper; Perfumes; Photography—including all the latest developments; Plastics; Polishes; Refrigerant Deodorizer; Soldering; Varnishes; Waterproofing; Weights and Measures; Wood Preservation. Thousands of other practical, tested methods for doing things.

How to equip a home workshop or laboratory. How to compound formulas at home or professionally. Making articles of household use. Making commercial products. More than 10,000 trade secrets, chemical processes, scientific formulas, household recipes. Endorsed by libraries, universities, trade and professional periodicals. You need this book; it should be in every library.

$4 Sent Prepaid— On Receipt of Price $4

Send order to

OIL, PAINT AND DRUG REPORTER
12 Gold Street :: New York, N. Y.

Gelatin Statistics: 1936

Statistics covering production of edible gelatin in 1936 and 1935; stocks as of December 31 in each year; imports and exports of the material, have been prepared by the Bureau of the Census, Department of Commerce. The data on production and stocks of domestic gelatin were reported by eleven establishments operating eleven plants. The figures on imports and exports were compiled by the Bureau of Foreign and Domestic Commerce, Department of Commerce. The data follow:—

	Pounds	
	1936.	1935.
Production, domestic	20,321,863	18,274,495
Stocks, December 31	7,958,163	7,986,969
Imports	2,836,509	1,869,108
Exports	240,758	193,983

but the situation was no less critical than it had been and signs did not foretell an early change from a strictly nominal market to one normal in all respects. Undersupply was the governing factor in the market as a whole. Requirements of the country were in excess of the domestic producers to meet and hence importations have been necessary on a broad scale. Such importations cost substantially more than the domestic article as nominally quoted—but the domestic prices meant nothing because no chemically pure and dynamite glycerin was available for open market trading.

CHICAGO, Feb. 10.—The c.p. glycerin market is maintaining itself firmly at recently attained prices. Orders are reaching sellers in routine fashion, with nothing of a sensational nature noted. Some sellers recently affected by flood conditions have gone far to correct this situation. Ruling prices are:—C.p., drums, car lots, 29c. per pound; drums, less than car lots, 29½c.; cans, less than car lots, 30c. to 32c., according to quantity; dynamite, car lots, 29c.

Menthol.—The spot market was lower at $3.30 to $3.40 per pound and in view of the quantities of low cost material coming forward from Japan, further shading of values would not be surprising. Demand was not better than fair locally. Importations in 1936 totaled 342,000 pounds, comparing with 282,000 pounds in 1935. Since 1908, the largest importation was in 1926 when 459,000 pounds came in; and the second largest was 425,000 pounds in 1934. The smallest import since 1908 was 20,000 pounds, landed in that year. A year to year table of annual importations from 1908 through 1936 shows that the use of the article has grown steadily.

Methanol.—The undertone was substantially firm and prices lacked further development during the past week. Demand was fairly active and, for the moment, competition appeared to be somewhat less prominent and aggressive than it had been early in the year. However, the history of the article over a period of years has been one built mainly on competition and hence a return to competitive tactics, usually in the form of quiet shading of prices, would not surprise, according to the trade.

Paraldehyde.—Business was mainly of jobbing proportions. Orders usually involved small quantities of merchandise so far as the U.S.P. article was concerned. Supplies were declared to be of ample size.

Quicksilver.—According to reports from the Pacific Coast, a fairly substantial quantity of metal will arrive on this market when the first ship from San Francisco reached this port. However, agents of the producers failed to suggest that values would be weakened substantially even though the current demand was not exceptionally active. First cost on the Coast tended to check price shading here.

SAN FRANCISCO, Feb. 8.—Termination of the shipping strike saw a good parcel of metal booked out of here for the New York market via a steamer sailing this week, according to reports among the trade. But so far, there has not been any inquiry from the east coast that would tend to bolster up the market. Buyers are rather quiet. The fact remains that this market is not burdened with big supplies of metal. Production is curtailed owing to inclement weather conditions.

Quinine.—Values held firm. Demand was maintained at a good level and the movement into consumption was expected to continue well into the Spring months. The season this past Winter was an active one and sales volume was highly satisfactory to the home makers.

Salol.—Business was normal and very steady. The recent rise in demand has subsided but there remains still a very good request and hence the quotations continued to prevail in firm fashion.

Santonin.—Although the season of expanding consumption was not far off, the market was still easy in undertone and competitive to an extent that made open quotations close to being nominal. For the moment, at least, conditions were favorable for buyers. Total imports in 1936 were 1,489 pounds, comparing with 1,118 pounds in 1935. Since 1923, the largest import was 2,007 pounds in 1927; and the smallest was 261 pounds in 1932.

Silver Nitrate.—The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots cost from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices for bullion in New York and London are also provided.

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	32⅝	44¾	20
Monday	32⅝	44¾	20
Tuesday	32⅝	44¾	20
Wednesday	32⅝	44¾	20
Thursday	32⅝	44¾	20⅛
*Friday	..	..	..

* Holiday here.

London Drug and Oil Data

Stocks of drugs and oils in London public warehouses, January 31, 1937, and 1936, and the movement of these goods into and out of such premises during January, this year, were as follows:—

	Landed.	Delivery.	Stocks 1936.	Stocks 1935.
Sticklac, cs.	666	568	1,783	1,104
Gambier, tons	7	7	7	13
Cutch, tons	8	...	16	16
Quinine sulphate, lbs.	2,500	2,500	...	...
Cinchona bark, South American, cs.	...	...	...	...
bales, etc.	...	...	...	...
East India, Ceylon, and Java, cs.	...	...	...	...
bales, etc.	15	105	431	799
Totals	15	105	431	799
Aloe, cwts.	248	32	396	106
Anise, Star, cwts.	603	11	668	15
Arrowroot, bbls.	415	318	1,863	1,729
boxes and tins	...	...	...	...
Balsam, cwts.	20	40	94	43
Cascara sagrada, tons	...	2	97	68
Tanners' bark, tons	...	...	...	...
Beeswax, pkgs.	1,000	982	2,261	2,466
Japan wax, cs., etc.	222	273	356	105
Camphor, pkgs.	174	147	385	491
Cardamom, cwts.	49	94	31	354
Cochineal, bgs.	106	8	154	50
Coculus indicus, bgs.	...	...	...	...
Colombo root, bgs.	80	80	2	352
Cubebs, bgs.	...	...	3	17
Dragon's blood, cs.	1	1	172	127
Nutgalls, China and Japan, cs.	...	16	564	798
Turkey and Persian bgs.	...	26	146	55
Gum, ammoniac, pkgs.	...	...	27	28
animi, pkgs.	29	40	456	436
copal, pkgs.	2,757	3,042	17,049	14,251
arabic (all descriptions), pkgs.	1,067	1,907	10,556	13,078
assafetida, cwts.	...	6	417	425
benzoin, cwts.	107	20	933	856
dammar, pkgs.	2,230	1,106	5,846	4,804
gamboge, cwts.	7	2	47	38
guaiac, cwts.	...	10	94	166
elemi, pkgs.	...	...	...	...
kauri, tons, net	59	66	110	291
mastic, pkgs.	50	59	18	5
myrrh, East India pkgs.	...	45	21	145
olibanum, pkgs.	...	17	244	273
sandarac, pkgs.	27	37	125	166
tragacanth, pkgs.	59	527	1,957	4,699
Ipecac— Mattogrosso, cwts.	15	22	133	
Other sorts, cwts.	72	3	139	63
Jalap, cwts.	...	...	21	31
Myrabolans, tons	...	1	1	2
Nux vomica, cwts.	174	102	72	426
Oils, castor, cwts.	1,236	1,221	331	104
palm, tons	...	...	...	1
coconut, tons	86	90	24	68
olive, csks., etc.	617	794	617	928
*anise, cwts.	87	82	20	42
*cassia, cwts.	...	...	10	2
Graphite, tons	20	70	24	37
Rhubarb, Chinese rhapontica, cwts.	38	102	152	202
Saltpeter, tons	5	2	7	9
Soda nitrate, tons	...	121	2,821	1,877
Sarsaparila, cwts.	14	23	333	...
Senna, bls.	332	277	3,347	4,367
Shellac, orange, cs.	10,385	9,203	124,763	168,010
garnet, cs.	570	454	616	607
button, cs.	785	583	1,345	1,061
Totals	11,740	10,240	126,724	169,678
Turmeric, Bengal, tons	...	1	51	16
Madras, Cochin, etc. tons.	...	20	123	92
Total tons	...	21	174	108

* Stocks at certain wharves not included.

Wedgwood Club Elects

The Wedgwood Club, a Baltimore organization of members of the drug and related trades, has elected the following officers:—President, Charles Sohn, of Sohn & O'Hara; vice-president, Ernest Wolfe; treasurer, Charles Armstrong, secretary, Emory Helm.

MILK SUGAR
NATIONAL BRAND
National Brand Sugar of Milk has been the standard of Quality the world over since 1883.
Powdered Granular
Impalpable
NATIONAL MILK SUGAR CO., Inc.
205 E. 42nd St., New York, N. Y.

Oils, Fats and Waxes

Fish Oils

(Continued from page 45)

Rumors of attempted bribery in the fish oil reduction industry were heard here last week, evolving around the matter of the Fish & Game Commission authorizing increased tonnage of sardines to the shore plants. It was testified in a hearing that rumors had been afloat that a $10,000 fund had been raised to obtain an increase in sardine reduction permits for use of the shore factories. The matter referred to the previous season, however, and not the current one. This season, on the basis of each plant being permitted to use 1,000 tons per month of raw fish there was practically no restriction at all, as none of the plants so far have been able to obtain enough fish from the sea to fill their quotas.

Baltimore, Feb. 8.—Another week has elapsed without any transactions in menhaden fish oil mainly for the reason that there is very little of this commodity still in the hands of the producing companies down the Chesapeake Bay. Nor is there any positive information at hand as to the prices at which the holders would dispose of supplies or what potential buyers might be willing to pay. The last sale of which there is any record was concluded on the basis of 37 cents per gallon, and purchasers would probably have to pay this price if they desired to obtain any quantity of the commodity. It is not even certain that the producers would accept 37 cents, but in the absence of positive information to the contrary it may be assumed that some trading could be done. The supply of oil still available, however, is so small that sellers are indifferent about disposing of it, while buyers seem to feel that they can get along without the product and can make use of substitutes which are to be had more cheaply and will answer their purposes just as well. No herring oil is being offered because this is a low grade item that does not meet satisfactorily the purposes to which menhaden oil is applied, and it is generally marketed as a mixture with menhaden oil.

Chicago, Feb. 11.—Judging from the advices which reach the fish oil market quarters here, there is a steady and firm basic market tone throughout the market. With offerings limited to relatively small quantities, and with buyers taking a moderately good amount of material, the outlook is believed to be a rather healthy one. Most buyers are interested largely in material for their immediate needs.

MENHADEN.—East Coast, 36c. to 37c. per gallon.

SARDINE.—Pacific Coast, 48c. to 50c. per gallon.

SALMON.—Pacific Coast, market largely nominal.

Fats and Greases

Grease.—Quotations were stationary early in the period but later on the market turned firmer as the trend of tallow was upward. There was a fair inquiry. Offerings were light and prices were ¼c. to ⅜c. per pound higher than at the close of the previous week.

Lard.—Cash product showed irregularity in company with futures, changes in prices being within moderate limits much of the time. There was a fair demand from domestic buyers. Export trade was quiet. Receipts of live hogs in Western centers were moderate but the movement continued to run ahead of last year at this time.

Stearin. — Quotations ranged from 10¼c. to 10¾c. per pound, the tone of the market being steady. There was a fair demand.

Tallow.—Quieter conditions prevailed last week, large consumers being inclined to hold off for further developments in the tallow situation as well as in the markets for other commodities, but offerings were light and later on the trend of the market was upward. There were reports of sales at 8⅞c. per pound for extra and later on still higher views as to values prevailed among sellers, quotations ranging up to 9½c. per pound. The market for tallow futures also had an upward trend at times.

Following is a record of the market for tallow futures on the New York Produce Exchange from February 6 to February 11, inclusive:—

	Cents per lb. in tanks—High.	Low.	Close.	Sales. Tanks.
February	...	...	8.90 nom.	..
March	...	...	9.05@ 9.40	..
April	...	...	9.10 nom.	..
May	9.50	9.15	9.40@ 9.60	2
June	9.65	9.15	9.50@ 9.70	3
July	...	...	9.55@ 9.75	..
Total sales				5

Markets at Other Centers

Chicago, Feb. 11.—Nervousness exhibited in the lard futures market has been accompanied by some spottiness and irregularity in the cash lard price structure.

Second Narcotic Farm Of U. S. Opened in Texas

The cornerstone laying and dedication of the Government's new $4,000,000 farm for narcotic patients, near Fort Worth, Texas, was held February 13, with a large gathering of public officials and local committees.

Representative Fritz Lanham, chairman of the house committee on buildings and grounds, was chairman of the committee in charge. Other members included Miss Josephine Roche, assistant Secretary of the Treasury, in charge of public health activities, and Dr. Thomas Parran, Surgeon General of the United States Public Health Service, both of whom made addresses.

The institution is on a 1,400 acre tract, and follows a modified cottage plan, designed to meet the needs of the more tractable patients. The Government's first narcotic farm, at Lexington, Ky., is designed primarily for patients committed from penal institutions.

The dealings have been of a limited nature, shipping trade being reported a little nervous in tone. With stocks of lard increasing rapidly, buyers have been taking their time.

The range of lard quotations from the opening, Saturday, February 6, to the close Thursday, February 11, is shown in the following table:—

	Per 100 pounds— Open.	High.	Low.	Close.	Previous Friday.
Cash	$12.80	$12.87	$12.37	$12.52	$12.75
May	13.10	13.25	12.77	12.92	13.15
July	13.30	13.47	13.00	13.15	13.35

TALLOWS (tierces).—Edible, 10c. to 10¼c. per pound; prime, 9c. to 9¼c.; fancy, 9c. to 9⅛c.; special, 8¾c. to 9c.; No. 1, 8½c. to 8¾c.

GREASES (tierces).—Choice white, 9¼c. to 9½c. per pound; A white, 9c. to 9⅛c.; B white, 8¾c. to 9c.; yellow, 10-16, 8⅜c. to 8½c.; yellow, 16-20, 8¼c. to 8⅜c.; brown, 7¾c. to 8c.

STEARINS (barrels).—Prime oleo, 11¼c. to 11½c. per pound; lard, packages, 12¾c. to 13c.; A white grease, 9½c. to 9⅝c.; yellow grease, 8¾c. to 9c.; extra oleo stocks, 13¼c. to 13½c.; No. 2 stocks, 12½c. to 13c. (Oleo stocks in car lots.)

Liverpool, Feb. 11.—Quotations per cwt. on refined American lard were as follows:—

	Spot. s.	d.	May. s.	d.	July. s.	d.
Saturday	66	6	58	3	58	0
Monday	66	0	58	3	58	0
Tuesday	66	0	58	3	58	0
Wednesday	66	0	58	0	57	9
Thursday	65	0	56	9	56	3

Liverpool, Feb. 11.—Quotations per cwt. on tallow were as follows:—

	Choice. s.	d.	Fine, good mixed. s.	d.
Saturday	28	6	27	6
Monday	28	6	27	6
Tuesday	28	6	27	0
Wednesday	28	6	27	6
Thursday	28	6	27	6

Fatty Acids

Red Oil.—The market had a steady tone and quotations were held by producers at the levels prevailing in the previous week. There was not much snap to business but a fairly active demand was noted.

Stearic Acid.—Selling schedules were stationary, the tone of the market apparently being fine. Basic material was in upward trend and there were reports of a somewhat better inquiry for stearic acid though business was apparently in the main of a consevative character.

Markets at Other Centers

Chicago, Feb. 11.—The fatty acids market seems able to maintain a fairly stable and steady tone despite some recessions in the basic materials quotations. The volume of business has been continuing along fairly satisfactory lines. Sellers apparently have not found it necessary to make marked concessions in order to move material. Special cottonseed materials are little changed in the current market. Stearic acids are quiet, with fair movement. Red oils are holding well, with offerings not overly large.

FATTY ACIDS.—Corn oil, double distilled, 8¼c. to 8½c. per pound, tankcar; 8¾c. to 9c., barrels, car lots; 9¼c. to 9½c., barrels, less than car lots; coconut oil, acidulated, 9c. to 9¼c. per pound, tankcar, partly nominal; 9½c. to 9¾c., barrels, car lots; 10c. to 10¼c., barrels, less than car lots; cottonseed oil, double distilled, 8¼c. to 8½c., tankcar; 8¾c. to 9c., barrels, car lots; 9¼c. to 9½c., barrels, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 4c. to 4⅛c.; boiled down soap stock, 65 percent basis, 5c. to 5⅛c.; cottonseed foots, 50 percent basis, 2⅞c. to 3c.

STEARIC ACID.—Single press, distilled, 12c. to 13c. per pound; double press, 12½c. to 13½c.; triple press, 15¼c. to 16¼c.

RED OILS.—Distilled or saponified, drums, 11½c. to 12½c. per pound; barrels, 11⅝c. to 12⅝c.

(Continued on page 50)

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

TARTARS
WILLIAM NEUBERG, Inc., 441 Lexington Ave., NEW YORK, N. Y.
MUrray Hill 6-1990

PLYMOUTH BRANDS
STEARATES - ZINC - MAGNESIA
WHITE MINERAL OILS U. S. P. and TECHNICAL
Manufacturers and Importers for thirty years
M. W. PARSONS, Imports & PLYMOUTH ORGANIC LABORATORIES, Inc.
55 ANN STREET, NEW YORK CITY

A. C. DRURY & CO., Inc., INTERNATIONAL MERCHANTS
Chemicals - Essential Oils - Synthetics - Bouquets
Talc - Clay - Waxes
219 East North Water Street Phone Superior 5940 Chicago, Ill.

MENTHOL
Synthetic "Schimmel & Co."
SCHIMMEL & CO., Inc.
601 WEST 26TH STREET NEW YORK, N. Y.

The Standard of Quality for Ninety Years
PATTINSON'S BRAND
MAGNESIA
OXIDE • HYDROXIDE • CARBONATE
U. S. P. AND TECHNICAL
SCHOFIELD-DONALD CO., INC.
154 NASSAU STREET BEEKMAN 3-2339 NEW YORK, N. Y.

NIACET PRODUCTS
Acetic Acid Glacial and U. S. P.
Acetal
Acetamide
Acetaldol
Paraldehyde
Acetaldehyde
Crotonic Acid
Iron Acetates
Methyl Acetate
Crotonaldehyde
Aluminum Acetate
Aluminum Formate
Sucrose Octa Acetate
Other Acetate Salts

New Chemicals for Industry
ACETAMIDE
Odorless C. P. Grade Technical Grade
AMMONIUM ACETATE C. P.
NIACET
CHEMICALS CORPORATION
Sales Office and Plant Niagara Falls, N. Y.

ANACONDA
PHARMACEUTICAL (U. S. P.)
ZINC OXIDE
MADE FROM ELECTROLYTIC ZINC
99.99+% PURE
ANACONDA from mine to consumer
INTERNATIONAL SMELTING AND REFINING COMPANY
Zinc Oxide Department
EAST CHICAGO, INDIANA
AKRON, OHIO NEW YORK CITY
WAREHOUSE STOCKS LOCATED IN PRINCIPAL CITIES

PRIVATE FORMULA WORK
Nasal Preparations
Why tie up capital in expensive machinery? Let us show you how you can be relieved of production, also packaging, shipping — even displays and advertising—efficiently and economically. We have complete facilities—strict confidence absolutely guaranteed. Conveniently located in the Metropolitan District. May we send a representative?
Also Headquarters for Drugs, Chemicals, Essential Oils and Allied Products.
ERHMANN-STRAUSS CO., Inc.
202 W. Houston Street, New York
"IF IT'S A DRUG • WE HAVE IT"

What You Can Use

Various Materials That Are Suitable for Operating Purposes in Chemical Processing Industries

Fully protected by Copyright

One-hundred-sixty-third Instalment

Lacquers

Solvents for Use in Lacquers

(Continued from February 8 issue)

Indene
Indian turpentine
Industrial spirits
Iodohydrin diacetate
Isoamyl citrate
Isoamyl tartrate
Isobutyl acetate
Isobutyl alcohol
Isobutyl citrate
Isobutanol
Isobutylethyl ketone
Isoprene
Isopropyl acetate
Isopropanol, anhydrous
Isopropyl alocohol
Isopropyl lactate
Isopropylideneglycerol
Lactic acid butylester
Lactol spirits
Lactones of oxyfatty acids
Mesityl oxide
Metacresyl butyrate
Metacresyl isovalerate
Metaxylene
Methanol, anhydrous
Methyl acetate
Methyl acetoacetate
Methyl benzoate
Methyl chloride
Methyl chloroacetate
Methyl ethers of ethyleneglycol
Methyl formate
Methyl lactate
Methyl phthalate
Methylacetone
Methylamine
Methylamyl acetate
Methylamyl alcohol
Methylanone
Methylbenzoyltrichloroanilin
Methylbenzylchloroanilin
Methylcarbitol
Methylcarbitol acetate
Methylcellosolve
Methylcellosolve acetate
Methylcyclohexanol
Methylcyclohexanol acetate
Methylcyclohexanol betamethyladipate
Methylcyclohexanol phthalate
Methylcyclohexanol stearate
Methylcyclohexanone
Methylcyclohexanone, isomeric
Methylcyclohexyl acetate
Methylenechlorhydrin
Methylethylene monopalmitate
Methylethyleneglycol
Methylethyl ketone
Methylfurol
Methylglycol
Methylglycol acetate
Methylglycolchlorhydrin
Methylhexalin
Methylhexalin acetate
Methylideneglycol
Methylisobutyl ketone
Methyl-normal-amyl ketone
Methyl-normal-butyl ketone
Methyl-normal-hexyl ketone
Methylorthotoluylenediamine
Methyloxybutyl acetate
2-Methyl-2-pentanol-4-one
Methylphenyl ether
Methylpropyl carbinol
Methylpropyl ketone
Mineral spirits
Mixed higher etherified alcohols and their derivatives
Monoacetin
Monoacetylethylanilin
Monochlorhydrin
Monochlorhydrin diacetate
Monochlorhydrin monoacetate
Monochlorobenzene
Monochloronaphthalene
Monoformin
Monohydroxyalkyl ethers of glycerin
Monohydroxyalkyl ethers of pentaerythritol
Monohydroxyalkyl ethers of polyhydroxy alcohols
Monohydroxyalkyl ethers of sorbitol
Naphthalene
Naphthols
Naphthyl acetate
Naphthyl ether
Naphthyl-magnesium halogen compounds
Nitroanilin
Nitroformin
Nitronaphthalene
Nitrotoluene
Octyl (2-ethylhexyl) acetate
Octyl (2-ethylhexyl) alcohol
Orthodichlorobenzene
Orthonitrotoluene
Paracetate
Paraethyltoluenesulphonamide
Paratoluenesulponamide
Pentacetate
Pentachloroethane
Pentaerythritol
Pentaerythritol acetate
Pentaerythritol benzoate
Pentaerythritol formate
Pentaerythritol maleate
Pentaerythritol nitrate
Pentaerythritol oxalate
Pentaerythritol phthalate
Pentaerythritol succinate
Pentasol
Perchloroethylene
Persprit
Petrohol
Petrol
Petroleum ether
Petroleum naphtha
Petroleum spirits
Phenyl acetate
Phenyl ether
Phenyl glycide
Phenyl salicylate
Phorone
Phthalic acid esters of 2-butyloctanol
Phthalic esters
Pine oils
Polyhydroxy alcohols
Propyl acetate
Propyl alcohol
Propyl benzoate
Propyl chlorostearate
Propyl furoate
Propyl myristate
Propyl palmitate
Propyl stearate
Propylene oxide
Resorcinol diacetate
Resorcinol monoacetate
Rosin spirit
Safe-t-esso
Saligenin
Shale spirits
Solvent E13, E33, GC, RS200, 8950, 555
Solvent naphtha
Solvesso 1, 2, 3
Solvol A, B
Sorbitol
Sorbitol acetate
Sorbitol benzoate
Sorbitol formate
Sorbitol maleate
Sorbitol nitrate
Sorbitol oxalate
Sorbitol phthalate
Sorbitol succinate
Steam-distilled turpentine
Succinic acid esters of 2-butyloctanol
Tamasol J
Tar spirits
Terepine
Terpineol
Tetrachloroethane
Tetrachloroethylacetanilide
Tetracol
Tetraform
Tetralin
Terpineol butyrate
Terpinyl acetate
Tetrahydrofurfuryl acetate
Tetrahydrofurfuryl alcohol
Toluene
Toluene, 65 percent; butyl acetate, 35 percent
Toluene, 65 percent; butyl acetate, 20 percent; butyl pripionate, 15 percent
Toluene, 65 percent; butyl acetate, 20 percent; ethyl acetate, 15 percent
Toluene, 65 percent; butyl propionate, 20 percent; ethyl acetate, 15 percent
Toluenemonoethylsulphonamide
Tolueneparamonoethylsulphonamide
Triacetin
Triamyl borate
Trichloroanilin
Trichloroethylene
Trichloromethylacetanilide
Tricresyl phosphate
1:1:3-Trimethylcyclohexanone
Trinaphthyl phosphate
Triphenyl phosphate
Turpentine
V. M. & P. naphtha
White spirits
Wood turpentine
Xylene

Stabilizer for Preventing Settling Out in Lacquers

Crotonic acid

Thinners for Use in Lacquers

Alcohol
Acetones
Alkylglycol BM
Amyl acetate
Amyl alcohol
Amyl alcohol and benzin
Anol
Anone
Benzene
Benzin
Benzyl alcohol
Brevolite
Butanol
Butyl acetate, normal
Butyl acetate, secondary
Butyl alcohol, normal
Butyl propionate
Butylcellosolve
Cyclohexanol
Decamphored turpentine oil
Depanol
Diamylene
Dipentene
Diethyl carbonate
Dioxane
Dissolvan, CA, DN
Ethyl alcohol, anhydrous
Ethyl acetate
Ethyl butylcarbonate
Ethyl ether
Ethyl formate
Ethyl lactate
Ethylbenzene
Ethylglycol
Ethylglycol acetate
Ethylene chloride
Ethylenechlorhydrin
Gasoline
Gum turpentine spirit
Hexahydrocresols
Hexahydrophenols
Hydroterpin
Isobutyl acetate
Isobutyl alcohol
Isopropyl acetate
Isopropyl alcohol
Kerosene
Ketone-terpene hydrocarbons
Methanol
Methyl acetate
Methyladipinic acid ethylester
Methyladipinic acid methylcyclohexylester
Methylanol
Methylanone
Methylcyclohexanones
Methylene chloride
Methylglycol
Methylglycol acetate
Mineral spirits
Mollit A, B, 40, 41
Monochlorobenzene
Naphtha

(To be continued)

BE SURE TO MAKE
RESERVATIONS FOR THE

12th Annual
Drug Trade Dinner

OF THE

Drug, Chemical and Allied Trades Section
New York Board of Trade

MARCH 4th

Waldorf-Astoria Hotel
New York City

Apply to Mr. Ray C. Schotterer, Secretary,
Drug, Chemical and Allied Trades Section,
New York Board of Trade, 41 Park Row,
New York City, or telephone
COrtlandt 7-1414,

S. B. PENICK & COMPANY
132 NASSAU STREET, NEW YORK
1228 WEST KINZIE STREET, CHICAGO
THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Oils, Fats and Waxes

Waxes

(Continued from page 49)

Bees.—Crude wax continued strong enough to cause bleachers and refiners to consider further advances in the prices on white pure, and refined yellow wax. A limited quantity of white pure bleached wax might be had at 38c. per pound but a general tendency to ask 40c. was noted. Refined yellow was quoted 34c. to 38c. per pound, prevailing according to quality—which, in turn, depended on the crude used in manufacture. The entire situation was one of strength and the trade as a whole was confident that values would work higher on spot.

Candelilla.—Quiet trading at firm prices was the rule and the situation appeared to be set against any early movement of values in favor of the manufacturing consumer.

Carnauba.—Communication with Brazil was infrequent most of last week. Religious holidays immediately preceding Lenten season reduced commercial activity to the smallest degree possible. Hence, activity in the wax market lagged at the source while on spot buyers continued to hold aloof in expectation that price at the source would continue to work downward, permitting consumers in this country to cover their requirements at more attractive prices. Trading out of spot stocks also lagged. No change in open quotations was made.

Ceresin.—Domestic material held at the slightly higher prices noted in the previous trading period. Demand was routine and hardly more than moderate in size but it was also steady and tended to keep the market stable.

Japan.—Understones were as firm as ever and values on the spot displayed substantial strength throughout the past week. Consumption was said to be holding up very well. Also, the strength prevailing in the primary market was unabated.

Vick Reports on Colds Control

In a report covering four years of clinical studies in the control of the common cold, the Vick Chemical Company, Greensboro, N. C., states that the application of the Vick plan "for better control of colds in the home" reduced by 24.66 percent the number of colds contracted and shortened the duration of attacks 28.78 percent. The clinical studies embraced 17,353 men, women, and children, of whom 7,031 were school children, and the absences from school among these are reported to have been reduced 57.86 percent when the Vick plan was used. This plan consists in the use of Vick's "Vapo-Rub," an external application, and Vick's "Va-tro-nol," a colds-prevention aid, under certain simple rules of living designed to build and maintain bodily resistance. Copies of the clinical report, a twenty-four-page booklet, may be obtained from the Vick Chemical Company.

William Murphy, sales manager of American Potash & Chemical Corporation, this city, left February 10 for a month's business trip through the South.

KOSTER KEUNEN BEESWAX
IMPORT *Established 1931* EXPORT
Inspect our sunbleachery and our stock of over half a million pounds
SAYVILLE, N. Y.— about 50 miles from New York City

SUN BLEACHED

Beehive Brand BEESWAX
• Finest Quality
• Guaranteed Pure
WILL & BAUMER CANDLE CO., INC.
Dept. E 8 Syracuse, N. Y.
Established 1855
Spermaceti Red Oil Glycerine
Ceresine Stearic Acid

WARRANTED PURE BEES WAX

Botanical Drugs, Gums

Buchu Advance Sharp—Mandrake, Sarsaparilla and Serpentaria Higher—Buyers' Resistance Being Developed by Fast Rise In Prices—Values Hold Generally Firm

A substantial reversal in buying trend was reported in some quarters during the past week. In such directions, demand for botanical drugs was said to have decreased much but, for the time being, without ill effect on the general structure of prices. Other quarters said demand was holding up well. Strong items during the week included buchu leaves, mandrake root, and damiana leaves, Mexican and serpentaria roots, and bleached cardamom. Changes to lower price levels came in items of less importance.

Those reporting a lessening in demand were at a loss to account for the development. Some mentioned the flood areas with which commercial communication had been cut off for some time. Others indicated that the Winter season was about at an end and that a lull might reasonably be expected. Also it was thought that buyers' resistance to higher prices was a cause. However, the trade as a whole felt that Spring business would be good, and in view of the very small stocks of merchandise in general, prices were expected to hold very well.

Buchu leaves came back strongly after their recent period of price decline. Conditions in the primary market, plus spot scarcity, caused the rise. The sharp advance made last week more than recovered all of the recent decline. Bleached cardamom at last swung into line along with the long strong decorticated and green material. Uncertainty regarding the future supply of mandrake root put prices higher again and gave additional strength to the item.

Inability to secure prompt shipment sarsaparilla in Mexico accounted for the sharp rise. Shipments were said to be at least two months away. Serpentaria root was scarce enough to make a moderate increase in the call be productive of a sharp rise in virtually nominal price.

Entries of botanicals at the port of New York since the week of January 1, 1937, the detentions of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags	
	Detained.	Entered.
Anise	20	217
Caraway	1,511	4,615
Cardamom (cases)	...	260
Celery	...	1,587
Coriander	543	700
Cumin	300	380
Dill	...	86
Fennel	75	1,393
Mustard	280	5,738
Poppy	...	9,119
Sage leaves (bales)	20	...
Sesame	...	...
Stramonium	56	105
Thyme herb (bales)	71	91
Totals	2,876	25,301

Price Changes

Prices were changed during the past week as follows:—

Advanced

Buchu leaves, 15c. per lb.
Canary seed, Argentine, ¼c. per lb.
Cardamom, bleached, 55c. per lb.
decorticated, 5c. per lb.
Celery seed, Indian, ½c. per lb.
Cinnamon, No. 2, 1½c. per lb.
No. 3, 1½c. per lb.
Cumin seed, Morocco, ¼c. per lb.
Damiana leaves, 1c. per lb.
Fennel seed, Indian, ½c. per lb.
Ginger root, Jamaica, bold, ½c. per lb.
medium, bold, ½c. per lb.
bright, grinding, ½c. per lb.
Mandrake root, 1c. per lb.
Myrrh gum, 3c. per lb.
Sage, Dalmatian, ½c. per lb.
garden, ½c. per lb.
Sarsaparilla root, Mexican, 3c. per lb.
Serpentaria root, 10c. per lb.

Reduced

Colocynth pulp, 5c. per lb.
Cardamom, green, 5c. per lb.
Cumin seed, Algerian, ⅝c. per lb.
Mustard seed, Dutch, ½c. per lb.
Poppy seed, Dutch, ⅛c. per lb.
Polish, ⅛c. per lb.
Pepper, black, Lampong, ¼c. per lb.
Pimento, ½c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
121.2	119.4	117.4	107.7

Market news that may have developed after this report was sent to press will be found on page 4.

Balsams

Fir.—Local prices on Oregon balsam held unchanged notwithstanding the report that some material was available on the Pacific Coast at prices substantially below spot quotations. Local dealers said there was considerable doubt as to the quality of the coast goods and hence they were holding prices unchanged pending determination of the facts.

Peru.—Activity was somewhat ordinary last week. It consisted mainly of small orders covering immediate needs. The business done was insufficient to affect prices one way or another. The prices were firm on spot, in keeping with the replacement situation.

Barks

Bayberry.—Several dealers last week said they had been trying to secure a supply from the primary market but with highly indifferent success. With a single exception, they said that regardless of price offered, they had been unable to persuade workers to collect the item.

Elm.—With the end of the principal sales season for this article clearly in sight, those dealers having a fairly substantial inventory have continued to offer selected bark in bundles at the recently reduced price of 35c. to 36c. per pound. Little demand came last week. Other forms of this bark held unchanged but they were easier.

Orange Peel.—Sweet peel was available in moderate quantities at 12c. to 13c. per pound, but the immediate demand was of jobbing sort and hence the fact that holdings were not large failed to be the strengthening element which it had been in the recent past.

Sassafras.—Interest in this article was occasional and usually involved quantities of moderate size. However, prices on select bark had yet to develop price weakness, this being caused in part by the fact that inventories to be carried into the duller consuming season were not large.

Wahoo.—Fair-sized activity prevailed on the spot and prices were held in fairly steady position at the peak reached after a series of advances during the Winter months. Stocks on spot and in the country were conservative in size and it was felt that another collection season would have to begin before values would develop an easier undertone.

Beans

St. Ignatius.—Little demand and small stocks made up the picture in this article. Prices were inert, nor did anything suggest an early change in that aspect of the market.

Vanilla.—Prices held up well but there was a lack of substantial demand and hence for the time being the futures of the market was difficult for dealers accurately to forecast. Present prices were warranted by the prevailing cost of local stocks as well as the present prices for replacement goods. However, buyers showed resistance to present values and some felt that ultimately a more competitive spot market might develop.

Berries

Juniper.—The firmer and somewhat higher spot market recently reported continued to prevail, being supported by a steady movement into consumption, as well as by the absence of price weakness in foreign market.

Raspberries.—Stocks were low, but in view of the limited demand at this time some holders on spot were disposed to take a slightly more competitive view of the market. However, this disposition did not go to the length of producing reductions in open quotations on spot.

Flowers

Borage.—Little has been said regarding this item for some time, but during the past week one substantial lot moved into consumption at prices suggesting that market undertones were still distinctly on the firm side.

Malva.—Price stability continued to feature the two kinds of this flower. Dealers reported competition to be moderate and insufficient to affect open

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

PROFESSIONALLY HOPKINS BRAND MILLED
ANALYZED - STANDARDIZED
CRUDE DRUGS
Arabic
Aloes
Balsam Tolu
Cannabis
Chamomiles
Cudbear
Cuttle Bone
Digitalis
Ergot
Foenugreek
Ginger Root

Indian Gum
Kamala
Licorice Root
Lupulin
Mustard
Nux Vomica
Olibanum Gum
Orris Root
Papain
Saffron
Tragacanth Gum
CRUDE
J. L. HOPKINS & CO.
220 BROADWAY, NEW YORK
DRUGS

BOTANICAL
CRUDE DRUGS MILLED
HERBS - ROOTS - BARKS - SEEDS AND SPICES
WATER SOLUBLE GUMS TRAGACANTH ARABIC - KARAYA
AMERICA'S OLDEST MANUFACTURER - PYRETHRUM PRODUCTS
MURRAY & NICKELL MFG. CO. Established 70 Years
2608-28 Arthington Street - - - Chicago

Gum Tragacanth---Gum Arabic
Importers
THURSTON & BRAIDICH, 286 Spring St., NEW YORK

CHICLE, Mexican
F. HUBER & CO., 99 Hudson Street, NEW YORK

WHOLE AND POWDERED
CUTTLEBONE
FRANK-VLIET CO., INC.
160 Water St.
New York N. Y.

VIKING
Petroleum Solvents
PENTANE
HEXANE HEPTANE
PETROLEUM ETHER
LIGROIN BENZINE
LOW COST - HIGH QUALITY
Special Solvents for Specific Purposes
VIKING DISTRIBUTING CO.
K.V. BLDG. CHARLESTON, W.VA.

STABILIZED PYRETHRUM
EXTRACTS — DUSTS — PERCOLATION FLOWERS
STABILIZED ROTENONE
DERRIS — CUBE — TIMBO
WHOLE ROOT — DUST — MIXED DUSTS — EXTRACTS
Standardized for Toxic Content —
Stabilized to Prevent Loss of Killing Power
HAMMOND PAINT AND CHEMICAL CO. Beacon, N. Y.

PYRETHROL 20
A standardized and clarified pyrethrum extract. Write to us today for further information.
McCORMICK & CO., Inc.
BALTIMORE, MARYLAND
STANDARDIZED PYRETHRUM AND DERRIS PRODUCTS

quotations at this time. Stocks were said to be moderate but, apparently, sufficient for current needs.

Pyrethrum.—The market was said to have developed more competitive conditions than had prevailed for some time past. The system of price establishment was understood to have broken down and for the time being at least a generally unsettled situation was expected to prevail. Certainly, conditions were all in favor of buyers last week.

Rosemary.—Though replacements were none too plentiful or readily obtainable, the spot market remained quiet at unchanged prices in the absence of forcing demand.

Saffron.—Spanish flowers continued to hold at $13.50 per pound minimum, although immediate call for the article was conservative in size and readily supplied on this market. Mexican saffron was firm but it also lacked activity likely to cause price movements at the present time.

Gums

Aloe.—The outlook for the next crop of Curacao gum was said to be very good. Also, because of additional plantings in the primary market, the future supply should also be increased. Price-wise, the market last week was steady to firm but active demand was absent.

Arabic.—A steady market prevailed on the spot. While demand was not all that was desired, it was still productive of a sizable total volume of trade and thus aided in the stabilization of values. The primary market was being watched closely as the crop is coming in and the future trend of the market should develop in the not far distant future.

Benzoin.—Prices on Sumatra gum became fairly stable in the past week. Stocks were well distributed locally and hence values have returned to a level about normal for the item. A very fair demand prevailed.

Camphor.—Trade was in ordinary volume at prices declared to be steady and free from any tendency toward fluctuation. Japan held firm at the recent advances made in that country. Makers and importers of synthetic material were also firm in their views on values, views which were recently advanced partially to reflect the higher market on natural material.

Myrrh.—Because of the market being somewhat less competitive than it had been, values have moved up to a level which prominent dealers said were warranted on goods of normal quality. Quotations last week were 38c. to 40c. per pound, according to dealer.

Herbs and Leaves

Buchu.—Prices have jumped suddenly to the basis of 75c. to 80c. per pound after a period in which values had weakened and declined in local circles. Advancing prices on new crop goods, plus scarcity of spot goods, caused the rise.

Damiana.—Quotations were up slightly to the basis of 14c. to 16c. per pound on more active demand. More interest was shown, according to some dealers, and the available supply was in very firm hands.

Eucalyptus.—Although the call from buyers was not aggressive, there was still enough of the article required to keep all prices on a firm basis, and also to keep competition within narrow confines.

Sage.—Replacement costs have moved upward and spot quotations followed. Dalmatian stemless was quoted at 6¼c. to 6¾c. per pound, and the garden variety stood at 6¾c. to 7¼c. per pound. Demand was normal.

Stramonium.—Since the first of the year, one hundred and five bales of this article have been imported. Of that quantity, fifty-six bales were detained by the Department of Agriculture as not conforming with domestic quality standards. Prices continued to be firm.

Miscellaneous

Colocynth Pulp.—Some quarters have taken an easier stand on the value of this item and made offerings last week on the basis of 70c. to 75c. per pound. Only a fair request was filled under these more competitive conditions.

Ergot.—The market continued to be firm but new activity in prices was lacking. Prices abroad were very firm and those on spot were not only firm but also sensitive. The tendency, if any, seemed to be upward. Importations in the first half of 1936 totaled but 69,000 pounds, comparing with 103,000 pounds in the corresponding period of 1935, and also comparing with the record year of 1933, in which the total import for the year reached 331,000 pounds.

Irish Moss.—Most importers felt that prices would work higher if demand increases much, this for the reason that they reported at least great difficulty in getting any merchandise abroad at this time. They said they would have to wait for new crop to be offered some months hence.

Kola Nuts.—This item was in moderate, if not actually low, supply and hence the recent advance in prices was maintained without the least difficulty.

Manna.—Competition was fairly aggressive on the spot and while open quotations were not changed, the tendency was to move them in favor of buyers when orders reached the market under competitive conditions.

Roots

Gentian.—The item was close to actual scarcity and prices were also close to being nominal as the tendency upward was quite active. Demand at the moment was not expansive, but there was still a fair requirement to be filled.

Mandrake.—Prices were higher once more, standing at 11c. to 12c. per pound and having a tendency to rise to a minimum of 12c. The future of the market depends entirely on how much undamaged stock remains in the flooded areas.

Sarsaparilla.—Mexican shippers offered nothing and resumption of offerings was a number of weeks ago. On the spot dealers advanced their quotations to 20c. to 22c. per pound, reaching a point quite the highest to prevail over a considerable period of time. Spot stocks are almost nil.

Senega.—Excitement has died out of this market but it left prices on the firm side and prevailing without sign of weakness at 55c. to 60c. per pound. Unsold reserves in this market were inconsiderable.

Serpentaria.—Quotations were advanced to $1.10 to $1.25 per pound, the item being hard to get anywhere in the primary market and being in strong hands on the spot where only small reserves, if any, were to be had.

Seeds

Canary.—Argentine seed was up a small fraction to 6¼c. to 6¾c. per pound but no change was made in quotations on Morocco or Turkish material. Somewhat more inquiry resulted in moderate gains in sales.

Cardamom.—Bleached seed was hard to obtain and values ranged fully $1.60 to $1.80 per pound for the limited quantities available. Decorticated material was higher at $1.65 to $1.70 per pound, and green stood at $1.15 to $1.25. These changes reflected primary market values in part.

Cumin.—Algerian was down to 7¾c. to 8¼c. per pound, and Morocco was higher at 8c. to 8½c. Indian lacked change. Both changes reflected shifting of primary market values. Locally business was light.

Fennel.—Indian seed was higher at 7½c. to 8c. per pound. Reports indicated that a short crop was in prospect and shippers had advanced their limits. French and German seed lacked change.

Poppy.—Dutch seed eased back to 7½c. to 8c. per pound, and the Polish was down to 7¼c. to 7¾c., these movements reflecting a generally more competitive market.

Spices

Cinnamon.—No. 2 was higher at 18½c. per pound, and that was a strictly nominal price. No. 3 was raised to 18c. to 18½c., but that quality was offered firm thereat. The continued advance of the market was evidence of the primary market strength prevailing for some time past.

Ginger.—African was back in firm offerings, the price being 14½c. to 15c. per pound, but the quantity available being comparatively small. Jamaica bold was priced at 18½c. to 19c. per pound; medium bold, 15c. to 15½c.; bright grinding, 14½c. to 15. These advances were in line with increasing cost to replace current supplies, and they were also in line with consuming requirements at this time.

Nutmegs.—West India material lacked change but prices were firmer. Quotations on 110's were steadier, and those on 80's were well maintained. General demand was about normal.

Pepper.—Undertones in the market were easier; some went so far as to say the market was "ill." Lampong black was directly affected and prices reacted to 6¼c. to 6½c. per pound. A number of lots bought on speculation show a good profit and the tendency at the moment is to realize. Red Japanese chillies were higher again at 12⅞c. to 13¼c. per pound. Other prices did not change.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Remember this important date*
MARCH 1937
SUN. MON. TUE. WED. THU. FRI. SAT.
LAST QR. 5TH
1 2 3 4 5 6
7 8 9 10 11 12 13
*12th Annual Banquet
of the Drug, Chemical & Allied Trades
..AND FOR FINER PERFUME AND FLAVOR RAW MATERIALS—
REMEMBER FRITZSCHE!
FRITZSCHE Brothers, inc.
616 WEST 8TH STREET LOS ANGELES CAL
PORT AUTHORITY COMMERCE BLDG.
76 NINTH AVENUE, NEW YORK, N.Y.
118 WEST OHIO ST CHICAGO, ILL
Proprietors of PARFUMERIES de SEILLANS Seillans, France
FRITZSCHE BROTHERS of Canada Ltd 77-79 Jarvis St., Toronto, Canada

F.W.D.A. Gets Topics For Open Discussion

(Continued from page 3)

wholesalers to expend a definite amount for sales promotion of their products.

The meeting will be held February 17 to 19 in the Waldorf-Astoria, this city. The open session, in which associate (manufacturing) members, as well as active (co-operative wholesaling) members, will participate, will occupy the first day.

Turner F. Currens, of the Norwich Pharmacal Company, chairman of the associate membership group, is attending the cruise-meeting of the Associated Chain Drug Stores; hence the chairman of the open session will be Francis J. McDonough, of the New York Quinine & Chemical Works.

Peerless Paint & Varnish Expands

Peerless Paint & Varnish Corporation, Brooklyn, N. Y., has leased for a long term the entire factory property fronting 200 feet on Flushing Avenue, 100 feet on Kent Avenue, and 114 feet on Wallabout street, Brooklyn, and improved with six buildings. Necessity for expansion prompted the move. The R. L. Kraft Company negotiated the lease.

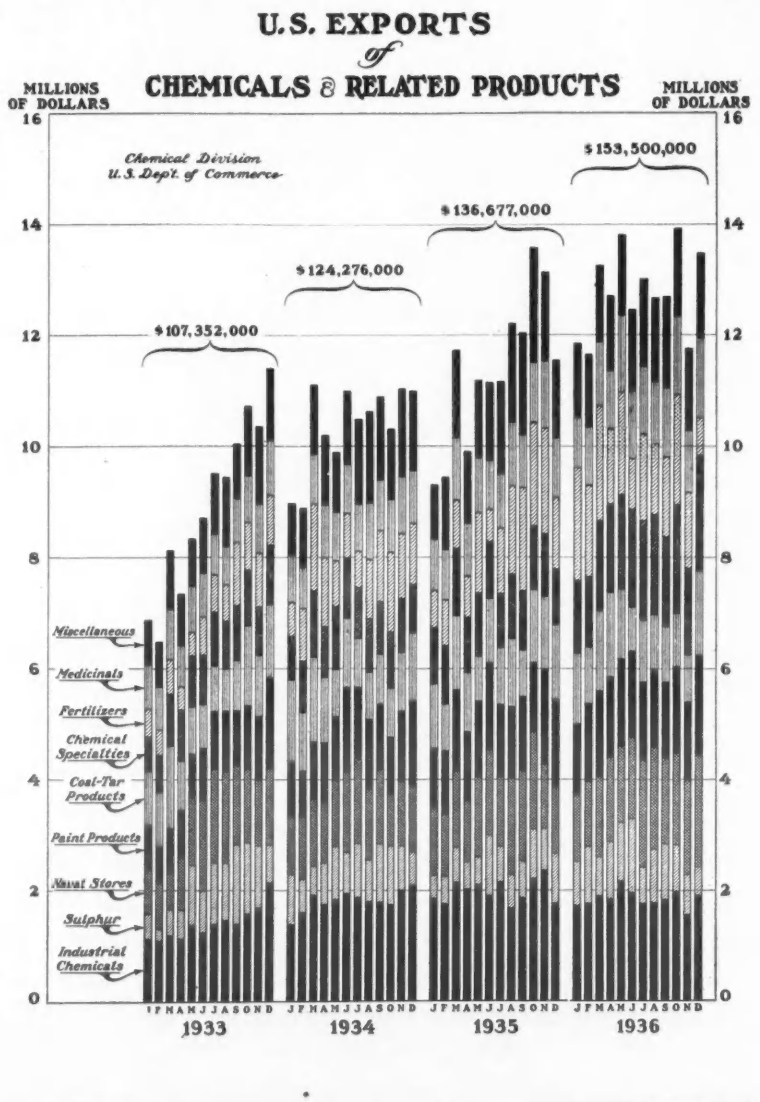
U.S. Chemical Exports Up 13 Percent in 1936

(Continued from page 3)

medicinals and pharmaceuticals from $12,200,000 to $14,400,000; chemical specialties from $17,679,000 to $20,456,000; paint products from $16,344,000 to $17,788,000; fertilizers from $14,809,000 to $17,705,000; and miscellaneous other items, not including industrial chemicals and coaltar products, from $14,634,000 to $18,764,000.

Industrial chemical exports at $22,046,000 and coaltar products at $13,776,000 were at levels slightly higher than those recorded for 1935.

Aside from a few countries, economic conditions throughout the world are improving steadily and individual purchasing power is increasing. The 1937 foreign trade outlook for chemicals and related products is without doubt the best in years, in the opinion of Mr. Delahanty.



Essential Oils, Aromatic Chemicals

Anise and Citronella Slightly Reactionary — Wormseed Stronger And Advancing—Palmarosa Again Higher as Cost Increases —Grapefruit Lower as Makers Seek Larger Market

Price trend in the market for essential oils was slightly reactionary last week. This was the first time in many periods in which the upward surge of values seemed to have been even temporarily checked. The outstanding illustrations of this reversal of conditions were anise, citronella, and lemongrass. All sold at lower prices, but, notwithstanding that, the trade was not sanguine of the downward drift of prices being continued. Against this angle of the market were the higher values on palmarosa, pimento berry, and wormseed oils.

Demand for essential oils and aromatic chemicals was said to have been very good. In a broad sense, the market was active and progressive in the same manner that had featured it for many weeks past. This tended to keep general values on the firm side and in most instances, materials of prime prominence in the market were distinctly strong.

The lower prices on anise came when spot supplies became slightly larger. Lower quotations on Ceylon and Java citronella reflected recent downward reaction in shipment quotations. Bourbon geranium was in slack demand and the market was shaded. Grapefruit oil was cheaper as the producers sought a larger consuming outlet in this country.

Palmarosa was high for import and higher on spot because of that as well as for the reason that stocks were small. Wormseed was advanced in the primary market and, that coupled with good-sized export request, brought spot quotations up also. Linalyl acetate was up slightly, and citronellal was down to an equal extent.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Linalyl acetate, 10c. per lb.
Palmarosa, 25c. per lb.
Pimento, berry oil, 50c. per lb.
Wormseed, 10c. per lb.

Reduced

Anise, 8c. per lb.
Citronella, Ceylon, 1c. per lb.
Java, 1c. per lb.
Citronellal, 10c. per lb.
Geranium, Bourbon, 15c. per lb.
Grapefruit, 25c. per lb.
Lemongrass, 3c. per lb.
Origanum, genuine Spanish, 10c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
90.0	**90.2**	**88.4**	**70.1**

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Anise.—Local quotations on U.S.P. oil were down somewhat from the recently strictly nominal position at 95c. per pound. Quotations came out at 87c. to 92c. per pound, but it was uncertain just how much oil was available and, hence, how long the price would last.

Apricot Kernel.—The higher cost of this oil on the Pacific Coast recently produced an advance in local quotations. Throughout the past week, the situation continued to be one of substantial strength and prices were well supported by a steady and very consistent demand.

Bergamot.—The market could scarcely have been stronger. The high cost of replacements made local quotations attractive and, also, it raised the question of how much oil could be obtained locally at the minimum price. Stocks certainly were not large and the tendency of substantial merchants was to keep prices in line with replacement cost.

Birch Tar.—Routine conditions prevailed as to supply and demand. Buyers' requirements were all along comparatively small lines and the resulting volume of sales was not large. Pricewise, the steady position prevailing over an extended period of time remained unchanged.

Cajeput.—Business was not especially active in this item. The call was not poor but the total volume was conservative in size. Prices continued to be well stabilized in all respects.

Calamus.—Open quotations were not changed but there seemed to be some tendency to advance minimum quotations prevailing for some time past. The market as a whole was somewhat firmer than it had been and competition proved to be a negligible element in the situation.

Cananga.—Stability was the general rule in the market on this item. Replacement costs have held very steady for some time past and that aided in the steady maintenance of local quotations. General demand was conservative in size.

Cassia.—The recent advance was maintained and the market as a whole was generally on the firm side throughout the past week. Stocks of oil in this market were of fair size but in view of the recent rise in replacement costs, most holders were not disposed to shade the market as quoted.

Citronella.—Prices named on spot were lower in some quarters last week. Ceylon oil in drums was inside at 46c. per pound and the can price was lowest at 48c. The range was to 54c. and 56c., respectively. Java oil was shaded to 47c. to 50c. per pound as to seller and packing. Recently, the primary markets turned slightly lower.

Clove.—The strong market ruling over many weeks past continued unabated but quotations were not raised furthet last week. The raw material situation was still productive of a high cost to produce this oil and signs did not forecast an early change in that aspect of the market. Demand was good.

Coriander.—Prices on this item have at last disappeared from price lists of practically all dealers; it had held a nominal place even when dealers had nothing to offer. It was almost safe to say that the article was unobtainable. Not until the Soviet Union permits export of either oil or seed can supplies be returned to this market.

Erigeron.—The supply was low, here and in the country. Also, demand was low and that fact accounted for the present price. Given anything like a substantial demand, this article would be selling far above its present price level.

Eucalyptus.—The undertone on spot could scarcely be stronger. Stocks were very low, demand continued to run swift and high, and replacements from the primary market were still not obtainable save in more distant future position. The fact that the season of heaviest consumption was nearing its end was counted a feature likely to ease conditions somewhat.

Geranium.—Algerian and Bourbon oils were somewhat more competitive. The range on Algerian was narrower, being $4.85 to $5.50 per pound, while the Bourbon oil was definitely lower at $4.60 to $5.15 per pound. The range covered difference in quality. Turkish oil was in low supply and as replacement costs were also high, spot quotations rose to $2.25 to $2.50 per pound, with most sellers asking close to the outside figure.

Grapefruit.—The market was reduced once again, making it $2.25 to $2.50 per pound, according to seller. It should be borne in mind that the producers of this oil are seeking a larger distribution of it in this country—one to compare favorably with the increasing use of the oil in foreign countries.

Juniper Tar.—Although the article was no better supplied than it had been for many months, prices remained unchanged though very firm.

Lavender.—Prices showed a narrower range at $2.25 to $6 per pound, ruling over that range according to seller and quality. The change came about

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

REVOLUTION and other world influences cause wide fluctuations in price, but M M & R low prices remain the fixed standards by which Quality Essential Oils are measured

MAGNUS, MABEE & REYNARD, INC.
32 CLIFF STREET, NEW YORK, N. Y.
BALSAMS, AROMATIC CHEMICALS
CONCENTRATED FLAVORS...Since 1895
Essential Oils
M M&R MAGNUS

MYSORE GOVERNMENT
SANDALWOOD OIL
Distilled at Linden, N. J. from selected Mysore Heartwood
by Sole Distillers and Selling Agents
W. J. BUSH & CO.
INCORPORATED
ESSENTIAL OILS | NATURAL FLORAL PRODUCTS | AROMATIC CHEMICALS

D. W. HUTCHINSON & CO., Inc.
IMPORT Established 1896 EXPORT
ESSENTIAL OILS — Odors and Flavors for All Purposes
162-164 FRONT STREET NEW YORK CITY

ESSENTIAL OILS
H. C. RYLAND, Inc.
161-3 Water St., New York

Buyers Prefer
"O-P-D"
Market Information
because it is
Definite and
Accurate

FINGERS GET TIRED? AVOID FATIGUE! INCREASE PRODUCTION
Use The
WHIRLWIND
Portable
ELECTRIC SCREW CAPPER
(Patented)
Perfect Sealing . . . Vials, Bottles, Jugs, Jars, Cans. All Caps, Either Molded or Metallic. From 50 to 100 Caps per Minute. Users are convinced! A **Free Trial** will convince you too. Write for details NOW!
SCIENTIFIC FILTER COMPANY
5 Franklin Square New York City

OLEO RESINS
of uniform high quality
CAPSICUM
CUBEB
GINGER
MALE FERN
OAK MOSS
VANILLA
PEPPER, White and Black
All of our own manufacture
D&O ESTABLISHED IN 1798
DODGE & OLCOTT COMPANY
180 VARICK STREET, NEW YORK CITY
Branches:
Boston, Philadelphia, Chicago, St. Louis, Los Angeles

through the naming of more favorable prices on prime quality material. Garden, or imitation, oil was cheaper at 42c. to 46c. per pound. Spanish spike oil remained firm in price but lacking in change.

Lemon.—Unabated strength summed up the situation in all kinds of this oil. Prices in Italy were well maintained and were supported by the fact that the crop was very small. As production of adulterated oil in Italy has been ended, the smaller crop cannot now be stretched, according to Italian trade advices. High prices have checked demand and have caused producers of imitation oil to push their products more actively.

Lemongrass.—The market was shaded somewhat under competition last week and drums were reported quoted at 57c. per pound while the oil in cans brought 62c. per pound in actual sales. The primark market has been checked.

Orange.—The market continued to be generally very steady but stocks available on spot appeared to be taking care of consuming requirements which, because of the swift rise of prices on Italian oil, have been checked somewhat. Buyers also have turned to some oils coming from other countries and available at prices much lower than those asked for Italian material. A moderate supply of Spanish oil was available at $2.50 to $2.75 per pound and West Indian was noted at $2.10 to $2.20. These prices compared with $4 to $4.50 asked for Italian, and $3.25 quoted on Californian oils.

Origanum.—Quotations on genuine Spanish oil were slightly lower at 90c. per pound for the cheapest grade, and $1.60 for the finest quality obtainable. Demand for the article was insignificant.

Palmarosa.—Stocks were very low and could not be substantially replaced in the primary market notwithstanding dealers' willingness to pay the higher prices now prevailing at the source of supplies. Spot quotations were advanced to the basis of $2.25 to $2.50 per pound.

Pennyroyal.—Domestic oil was somewhat higher at $1.75 to $1.85 per pound in a firmer and moderately active market where stocks were not excessive. Imported goods stood firm at $1.60 to $1.65 and supplies of the same were also light but apparently sufficient.

Peppermint.—Although a fair trade was noted locally, it was mainly routine in character and failed to reach a substantial volume last week. Notwithstanding this, prices showed a deal of stability, and even of firmness that was in keeping with the absence of unsettlement in the primary market. The season is pretty well advanced now and there is real doubt that between now and the new crop any substantial rise in prices will take place. Certainly it would require a sharp rise in consumption.

Pimento.—Berry oil was higher at $3.50 to $3.75 per pound in a market very firm as to undertone and subject to a steady demand from manufacturing consumers. Offerings of leaf oil were made in conservative fashion at $2.40 to $2.50.

Wormseed.—Once more, prices were advanced and values went to the basis of $2.50 to $2.60 per pound in keeping with the good export interest disclosed and the continued rise in the cost of oil held in the primary market.

Aromatic Chemicals

Benzaldehyde.—The schedule was $1.25 per pound for quantities ranging 50 to 100 pounds; 5 to 25 pounds, $1.30 to $1.35. One reseller offered in 25 pound cans at $1.20 per pound, which was cheaper than the producers' official schedule in drums.

Borneol.—Little demand prevailed but deliveries in bottles were available from three sources of supply at $1.75 per pound. A producer named $1.50 per pound in cans.

Carvol.—Routine request was noted but the market had a steady undertone and so far as prices were concerned they were free from competitive shading. Stocks were entirely sufficient for all reasonable requirements, it was said.

Citronellal.—Although one of the principal domestic producers has withdrawn quoting openly until such time as production costs shall be more stable, on the spot the article sold at the lower level of $1 to $1.25 per pound and the supply appeared to be ample.

Eucalyptol.—The market continued strong in keeping with prevailing cost to produce the article. However, with the advancing season favoring a less active call for raw material, the rising trend was likely to be checked, it was said.

Eugenol.—Producers' price schedule ranged $2.15 to $2.55 per pound and the market was strong, reflecting the steady advance in production costs and the total absence of any signs pointing to a change in market conditions at an early date.

Geraniol—The range in quality was very wide and supplies of the article appeared to be large. Prices also ranged widely according to quality of the article and the source of supply. One domestic producer, who stopped open market quotations recently, continued to withhold his schedule, being disposed to await a more definite trend in the cost of raw material. The trend was downward last week.

Linalyl Acetate.—The market was up slightly to $1.60 to $2.35 per pound in 25-pound cans under the influence of a very good consuming demand that has gathered under the influence of the much higher cost of bergamot oil.

Methyl Anthranilate.—The homemade material was very steady in price and quotations at $1.95 to $2.05 per pound prevailed according to quantity. Imported merchandise, however, fetched as high as $2.50 per pound in 25-pound cans.

Phenylactaldehyde.—The price ranged wide according to quality and seller, but on the whole a very good trade was booked over the range and a market of steady undertones governed at all times last week.

Phenylacetic Acid.—Steady trading was reported, although the call was distinctly routine and showed little change from the volume current in recent weeks. Prices remained very steady.

Phenylethyl Alcohol.—Domestic material was very steady in price and the movement into consumption was in volume about normal for the past several weeks. Imported material in 5-pound bottles fetched as high as $4.25 per pound.

Rhodinol.—Routine business was reported and for the most part the market verged on being dull. However, prices held steady over the wide range of $5.75 to $15 per pound, priced according to seller and quality of article offered.

Safrol.—The market maintained the recent advance and seemed likely to do so for some time to come as the cost of raw material was still very firm in the primary market. Demand was steady and involved normal quantities of material.

Thymol.—The higher quotations recently established failed to check the interest of buyers in the last. Demand continued active and built an excellent total volume of business by the close of last week.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

AVRYLLIS
A LILAC BASE
Recognized as the most popular of all floral scents, lilac attains new perfection in this glorious interpretation of its loveliness . . . AVRYLLIS is one of the real masterpieces of the perfumer's art! Its fragrance is true, intense and lasting. It will neither discolor nor stain. And its three grades provide a range of price and applicability that render it adaptable to perfumed products of infinite variety. Manufacturers are invited to write us for samples and quotations, or suggestions for its use in their particular products.
FRITZSCHE Brothers, inc.
816 WEST 8TH STREET LOS ANGELES, CAL.
Proprietors of PARFUMERIES de SEILLANS Seillans, France
FRITZSCHE BROTHERS of Canada, Ltd., 77 79 Jarvis St., Toronto, Canada
PORT AUTHORITY COMMERCE BLDG.
75 NINTH AVENUE, NEW YORK, N. Y.
118 WEST OHIO ST. CHICAGO, ILL.

N.Y. Drug Law Revision Has Novel Proposals

(Continued from page 3)

of the contents. Slack-filled packages are prohibited.

Warnings would be required on labels with respect to allergies, as well as pathologic contraindications. The health committee would set up the requirements, which might include a "statement of potentially harmful ingredients."

Germicides and antiseptics would have to meet tests laid down by the committee.

No claim not listed in the application for registration could be made on the label or in advertising.

No representation of palliative or therapeutic effect could be made with reference to any of a list of forty-two diseases, ranging from cancer to sexual impotence. No disease for which a drug is not a specific cure could be mentioned on its label or in its advertising, except in a statement that the product was not a cure but a palliative, and telling how it palliated.

Complete formula disclosure would be required on the label of every proprietary drug and of all cosmetics except—if the director so rules—those whose "formula is a trade secret and cannot be revealed by chemical or other analysis."

Inspections and Seizures

Factory inspection and store inspection are provided for.

Articles deemed in violation of the act would be seized and embargoed. The courts are given authority to order destruction of embargoed articles, or, in lesser or first, or not wilful offenses, order return of the goods, requiring payment of costs, execution of a bond for compliance with the act, and the payment of a fine of $100 or more.

Information for Public

One of the duties of the consumers' bureau is to analyze an article and issue a certificate of analysis (apparently setting forth the composition) whenever requested by "a governmental agency, or by an ultimate consumer who tenders the cost of such analysis."

Publication of monthly bulletins—distributed free—is provided for, these bulletins to list in detail all judgments, decrees, or orders entered, all proceedings instituted, all registrations granted, denied, suspended, or revoked. Other information, deemed necessary to prevent injury or deception, is to be published, also reports of investigations and researches. No true information that is useful to the consumer may be suppressed.

The bills would take from the board of pharmacy all jurisdiction with reference to proprietary drugs and cosmetics.

The Penalties

The penalties provided for violations of the act begin with a mandatory fine of $100 for a first offense, go to $1,000 for a second offense, and lay imprisonment of not less than thirty days and a minimum fine of $1,000 on third and subsequent offenses.

Provision is made for the exemption of dealers who can establish a guaranty by his supplier, also for publishers who do not know that an advertisement is illegal.

Throughout the bills the needs and welfare of the consumer are stressed—and it is provided:—

Any ultimate consumer injured by a violation of any provision of this article shall be entitled to bring suit in a court of competent jurisdiction against the violator of such provision for a minimum of $250 plus any additional damages he may have suffered, provided that such suit is instituted before the initiation of an appropriate proceeding by the bureau relating to the same product and the same violation.

Save the Surface Salesmen's Club of Philadelphia will hear a talk on "Sex in Sales," to be delivered by J. Henry Healy, at the next meeting of the club in the Penn Athletic Club March 5. All visiting members of the industry are invited to attend.

International Master Painters in Convention

SAN ANTONIO, Feb. 11, 1937.

Technical, practical, and business problems of painting contractors were featured in sessions of the International Society of Master Painters and Decorators, which began its fifty-third convention here on Tuesday.

Today's meeting was dominated by debate on the matter of state license or registration acts for painters and paperhangers, with a motion being passed requesting the National Paint, Varnish, and Lacquer Association to refrain from opposing passage of such bills when sponsored by a state council of the international.

The Mandis Society, composed of manufacturers and distributors who are associated with the international, today elected the following officers:—President, Joseph Kempf, of the Wilson Imperial Company; vice-president, Walter Foss, of the Wooster Brush Company; secretary-treasurer, Elmer G. Zieres, of the Clark Stek-O Corporation; members of the board of governors, James Williams, of the Eagle-Picher Lead Company and George Merwin, of the Devoe & Raynolds Company.

Mayor C. K. Quin, of San Antonio, welcomed the delegates. Gordon P. Marshall, president of the association, occupied the chair.

In his annual address, the president outlined new plans of procedure and objectives for the organization; emphasized the necessity for more extended chapter activity; sketched the work of the committees, development of vocational training, construction league accomplishments, and co-operation with industry groups, and discussed the Robinson-Patman Act briefly, saying:—

The Robinson-Patman act makes unlawful, within certain limits, discrimination in price between different purchasers of commodities of like grade and quality. This involves both the purchase of materials by painting contractors and the sale of painting jobs. There is a wide variance at present as to the meaning and interpretations of the details of this law. However, it is important that painting contractors be recognized as re-sellers of paint materials and that they purchase materials at prices proper for their function. Our legislative committee is of the opinion that this act will result in minimizing many of the abuses in our industry.

Addresses followed by Ernest T. Trigg, president of the National Paint, Varnish and Lacquer Association; William B. Schulte, of Benjamin Moore & Co., St. Louis; Frank T. Restle, of the Wilson Imperial Company, Newark, N. J.; S. N. Rhue, of the Pittsburgh Plate Glass Company, Milwaukee; Lenore Kent, director, Save the Surface Campaign, Washington; R. W. Emerson, executive secretary, National Clean Up and Paint Up Campaign Bureau, Washington; Martin P. Walsh, St. Louis; Henry Afman, Denver; Wallace F. Cornell, Los Angeles; Roland D. Doane, of the Eagle-Picher Lead Company, Cincinnati; William F. Patterson, executive secretary, Federal Committee on Apprentice Training, Washington; Oscar M. Powell, San Antonio; Emil C. Pearson, Lowell, Mass., and P. L. Lotz, Cleveland. The National Lead Company's film, "The Winning Formula," was exhibited.

New Jersey Zinc Co. Starts New Paint Research Service

The New Jersey Zinc Company is establishing a new paint research service, to be incorporated in a continuing publication called "Leaves From A Paint Research Notebook," and designed to be of immediate practical value to the paint manufacturer.

The company's paint chemists are constantly uncovering new facts of considerable theoretical interest or practical value. Much of this information is made public through articles in scientific journals or talks before production clubs. A large part of the remainder is of no less importance and frequently of more immediate value. The publication will contain much of this material, articles on original paint research, testing methods and instruments useful in the manufacture, testing, and control of paints, varnishes, and lacquers. Copies of the "leaves," together with a convenient binder, will be sent free to all interested upon request.

Leaded gasoline consumption in the automobiles of the United States in 1936 reached the record figure of 13,335,000,000 gallons, exceeding that of 1935 by 1,317,000,000 gallons according to a report by the Ethyl Gasoline Corporation.

Petroleum Solvents, Lubricants, Fuels

Solvents and Naphthas Advance in New York—Baltimore Prices Also Up—Midcontinent Holds Gains—Mineral Oils and Petrolatum Strong—Crude Flow Up

The price advances in petroleum solvents and industrial naphthas, which were made in company with advances in other light refined oils following the recent crude oil price boost, spread over the East Coast market last week. Tankcar and tankwagon prices for naphthas were advanced in Baltimore and prices in the New York City market advanced one-half cent per gallon on Monday of last week, in sympathy with the advances made in northern New Jersey a week ago. The Midcontinent market held at the advances of the preceding week and the local refinery market was also in a firm position at the higher levels. The higher prices brought added industrial purchasing activity into the market and with the labor difficulties in the automobile industry settled, lacquer diluents, rubber solvents and petroleum thinners used in the manufacture of body finishes should move in broader volume.

Almost all of the petroleum products used as industrial raw materials were inclining toward higher price levels. The latest oils to join in this group were the white mineral oils, which have been strengthened considerably. Petrolatum refiners were very strong in their views and some were already quoting higher prices; others were reported behind on deliveries. Paraffin wax failed to hold the substantial advance of a week ago, but the market was quite strong, and appeared to have been working upward as the week closed. Lubricants were stronger.

The gasoline market was steady at the higher prices initiated a week ago. Kerosene was a little soft locally.

Daily average production of crude oil in United States for the week ended February 6 was 3,220,750 barrels, an increase of 26,700 barrels over the preceding week's average of 3,201,150 barrels, according to the estimate of the American Petroleum Institute, which omits oil that might have been produced surreptitiously. The average for four weeks ended February 6 was 3,201,150 barrels and the average at this time a year ago was 2,763,750 barrels. Runs to stills were reported to the A. P. I. as having averaged 2,746,000 barrels for 76.4 percent of refinery operation, and an additional 234,000 barrels were estimated to have been sent to stills for a total average of 2,980,000 barrels, against 2,995,000 barrels in the preceding week.

Solvents and Diluents

The increase in tankcar and tankwagon prices for petroleum naphthas and solvents which began in the Midcontinent market a week ago, and which was reflected in the local tankcar markets and the tankwagon price structure in Northern New Jersey, spread last week to other points on the Atlantic seaboard. Both tankcar and tankwagon prices were raised in Baltimore and similar advances took place in the New York City market. The only apparent soft spot in the entire national market was in Chicago, where prices not only failed to follow the general upward trend, but also were reported as having been subject to a moderate degree of price cutting.

Cleaners' Naphthas.—The Midcontinent market prices were firmly established at the advanced levels of a week ago. Quotations were 7⅞c. to 8c. per gallon for tankcars, basis Group 3. These figures represented an increase of ½c. per gallon over the quotations that had been in force for several months.

Lacquer Diluent.—As reported a week ago, prices for tankcars at the Midcontinent refineries were advanced ½c. per gallon with 8⅞c. to 9c. per gallon named, basis Group 3. The termination of the automobile strike should result in a resumption of regular contract deliveries to the manufacturers of surface coatings for the automobile trade.

Petroleum Thinners.—Following the advances at the Midcontinent and at local refinery points, quotations for tankcars at Baltimore were advanced ½c. per gallon, Monday, to 10c. per gallon. Tankwagon prices in Baltimore were increased following the advance in Northern New Jersey and on the same day, the prices in the New York City market were also advanced. Baltimore tankwagon prices were 15½c. less 3c. discount for 100 gallons and over, and 15½c. less 2c. discount for 25 to 99 gallons. The New York tankwagon prices were advanced to 11c. per gallon. The local tankcar market was steady at the recent advance to the basis of 9½c. to 10c. per gallon, basis refinery.

Rubber Solvents.—Following the advance to 6⅞c. to 7c. per gallon for light and heavy grades at the Midcontinent refineries, those who sell this article in tankcars here raised the price to 10c. per gallon and the New York tankwagon price was raised to 13½c. per gallon.

Stoddard Solvent.—New York tankwagon prices followed the preceding week's advance in Newark and northern New Jersey points and effective last Monday, sellers quoted 11c. per gallon for tankwagons here. The tankcar price was now 10c. per gallon. The Midcontinent market held steady at the recently advanced price of 7⅜c. to 7½c. per gallon, basis refinery.

V. M. & P. Naphthas.—The tankwagon price in New York was raised and sellers now posted 12c. per gallon. All sellers joined in the tankcar advance of a week ago and quoted 10½c. per gallon at the refinery points. These advances followed the rise in the Midcontinent market to the basis of 7⅞c. to 8c. per gallon for tankcars and the increase in the tankwagon prices in northern New Jersey to 13c. per gallon.

Markets at Other Centers

Chicago, Feb. 11.—Instead of reflecting recent crude price advances, the petroleum solvent and diluent market here was marking time at previously prevailing prices. In fact, recently there has been report of price cutting on a moderate scale. However, currently the general price structure appears to be fairly steady. Ruling prices in tankcar lots except as noted are (tankcar prices f.o.b. Group 3 Oklahoma):—Blending naphtha, 4¾c. to 5c. per gallon; cleaners' naphtha, 7⅜c. to 7½c., tankcar; 15.8c., tankwagon; petroleum spirits, 6⅜c. to 6½c., tankcar; 16.5c., tankwagon; rubber solvent, 7⅜c. to 7½c.; lacquer diluent, 8⅜c. to 8½c.; Stoddard solvent, 6⅞c. to 7c., tankcar; 15.3c., tankwagon; v.m. & p. naphtha, 7⅜c. to 7½c., tankcar, 16.8c., tankwagon.

Tulsa, Feb. 11.—Refiners of petroleum solvents were holding their products at the quotations they posted after the crude price advance. These ranged from 7⅜c. to 7⅞c. per gallon. The trading was slow.

Lighter Fractions

Since the increase in prices for crude oils, the position of butanes, hexanes and other commodities in the group of liquefied petroleum gases has been strengthened statistically. However, the producers have not reported a single change in price as yet. So far as could be learned, the market was quite firm and favored with regular movements of supplies through the usual channels of consumption.

Butanes.—The market continued in an even and undisturbed position last week with quotations of 2¼c. to 3¾c. per gallon holding for tankcar quantities of material testing at N. G. A. specifications, basis Group 3. The price was contingent upon the number of cars used per month.

Heptanes.—There was no change in the position of the market during the week under review. In company with other gaseous solvents, the demands were routine and the prices held at the levels that have been quoted without change for several months back.

Hexanes.—The crude oil rise of a few weeks ago has given statistical strength to the prices but the quotations last week remained at 10½c. per gallon for tankcars of the normal grade, basis Group 3. The laboratory grade remained at 16c. per gallon in tankcars.

Pentane.—The normal grade continued at the long standing price of 9½c. per gallon for tanks with the usual differentials for smaller quantities, basis Group 3.

Petrolatums and Waxes

White Mineral Oils.—The prices for imported and domestic oils appeared somewhat strengthened and while the sellers did not venture to predict on the possibility of a nearby rise in prices, they pointed to the higher selling values of other petroleum products and commodities in general. The introduction of measures designed to establish an import duty on the foreign oil was another factor than contributed to the strength of the market. In the past, attempts to place a tariff on imported oil have always stimulated demands and this time was no exception.

Paraffin Waxes.—Although sales of scale wax were reported late in the preceding week at the basis of 2.70c. per pound for 122-124 A.m.p. wax and the 124-126 grade was quoted at 2¾c. per pound, the market did not hold that position last week, and offerings and sales were registered during the week under review at 2.65c. per pound for 122-124 and 2.70c. per pound for the 124-126 grade. Several market observers believed that the market would return soon to the higher levels posted a week ago. The supply situation in the Middle West was tight and the Pennsylvania refiners were also without surplus supplies to offer on the general market. Export interest was fair.

CHICAGO, Feb. 11.—Refined wax remains steady, with a fairly strong tone, although it has not advanced in response to higher crude oil prices in the fields. Orders were still coming through, on a basis that was about as active as for some time. Most sellers seemed to be occupying a firm market position. Ruling prices were: 122-124, 4.65c. to 4.75c. per pound; 125-127, 4.9c. to 5c.; 127-129 5.05c. to 5.15c.; 130-132, bulk or bag, 5.45c. to 5.55c.; 132-134, bulk or bag, 5.7c. to 5.8c.

TULSA, Feb. 11.— Wax prices were unchanged. The strong tone still prevailed but refiners did not raise their quotations of 2⅝c. to 2¾c. per pound for 124-126 a.m.p. Demand was active and most plants were sold up for February.

Petrolatum.—It was reported last week that one refiner who was accepting business at the prices that have been in force for some time, now required three weeks for deliveries. Others were making reasonably prompt deliveries while some of the sellers have been quoting higher prices in recent weeks. A general advance in the market was looked for at almost any moment. The car-lot buyers were active and some of the smaller purchasers were also in the market for prompt and forward needs.

Fuels and Lubricants

Except for some weak spots in New York city and in northeastern New Jersey, the gasoline market exhibited firmness throughout the Eastern section of the country last week. The tankcar boost which was effected at local terminals a week ago was well held and the prices were uniformly posted at the refineries. Jobber buying has been good. The kerosene situation was soft, perhaps because of the mild weather but the arrival of colder weather in the latter part of the week might stiffen things. There was a steady demand for heating oils from domestic and industrial buyers.

Tankwagon Price Changes

NEW JERSEY.—Gasoline prices to dealers in Northeastern New Jersey were reduced ½c. per gallon, February 10, by the Standard Oil Company of New Jersey, to conform with local postings. In Newark, the new price to undivided dealers was 8c. per gallon, exclusive of taxes.

Market Conditions

Gasoline.—The local tankcar market was quite firm at the higher postings established a week ago. The quotations named by leading sellers were 7c. per gallon for 62-63 octane grade of U. S. motor; 7¼c. per gallon for 65 octane, U. S. motor; and 7½c. per gallon for branded qualities. These quotations were f.o.b. refinery. All refiners in the New York and New England area followed the ½c. per gallon rise in tankcar prices which took place a week ago. Jobber buying on the higher prices was quite active. The local retail markets continued to show a few weak spots, notably in New York City, where retail signs of six gallons for 98c. were prominent, and in northeastern New Jersey, where leading marketers lowered dealer prices ½c. per gallon last week in order to meet lower competitive postings. Export prices at the U. S. gulf were unchanged except in the 64-66, 375 e.p. grade, which was advanced ⅛c. per gallon. Prices were as follows:—U. S. motor, 5⅝c. per gallon; 60-62, 400 e.p., 5¾c. per gallon; 60-62, 390 e.p., 5⅞c. per gallon; and 64-66, 375 e.p., 6c. per gallon.

Kerosene.—The market did not appear so steady as it had been, but with the colder weather of the closing days of the week the current softness may be only temporary. Leading sellers posted 5¾c. per gallon for the 41-43 water white article in tankcar lots at the refinery, but there were reported offerings at 5⅝c. per gallon in the forepart of the week. The demand lacked snap because of the unseasonal temperatures. There were no changes in retail prices. The export situation at the U. S. gulf was unchanged last week, with 5c. per gallon named for prime white and 5¼c. per gallon for water white.

Fuel and Gas Oils.—Following the recent advance in bunker oil prices along the Atlantic and Gulf coasts, prices for C grade oil at the terminal points in the West Indies and Central America were raised. Furnace oils continued in good request at firm and unchanged prices. The A.P.I. statistics for 1936 indicated that 1,352,700 domestic oil burners were in operation at the end of the year, consuming 60,178,000 barrels of oil for the year, and 77,500 industrial burners operating at the end of 1936 consumed 34,550,000 barrels, for a total heating oil consumption of 94,728,000 barrels, which compared with 76,853,000 barrels in 1935. 1935.

Lubricating Oils.—Pennsylvania bright stocks were strong and, although posted prices on regular pour grades were held at 22c. per gallon, ex tax, buyers of quantity would likely have to pay more. Some refiners posted 22½c. per gallon, and it was reasonable to consider that prices might move upward. Cylinder stocks and neutrals appeared to be pretty well leveled and the trade did not look for an extension of the recent advances in the market. Trade dropped off last week, and the inquiry from foreign and

Outputs and Quotas

A comparison of Bureau of Mines calculations for February production, state allowable quotas where they exist and the American Petroleum Institute's estimate of crude production for the week ended February 6, follows:—

	B. of M. calculations.	State allowable.	Estimated output.
Okla.	581,900	581,900	591,750
Kans.	170,000	187,918	165,150
Texas	1,208,400	1,329,478	1,298,550
La.	225,100	235,700	251,550
Ark.	28,500	.....	24,150
East.	114,300	.....	112,050
Mich.	29,400	.....	29,350
Wyo.	41,900	.....	46,350
Mont.	14,700	.....	15,000
Colo.	4,500	.....	3,450
N. Mex.	81,600	92,600	95,300
Calif.	573,300	*551,000	588,100
Totals	3,068,600	.....	3,220,750

* Recommendation of Central Committee of California Oil Producers.

The State of the Petroleum Market

There were no further changes in crude oil prices. Gasoline at the refineries held the gains of the preceding week. Gasoline prices to undivided dealers were reduced ½c. per gallon in Northern New Jersey by one seller.

	Feb. 12	Feb. 5	Last Year
Crude petroleum prices at well (average for ten fields) per barrel	$1.354	$1.354	$1.252
Gasoline prices at refineries (at four refining centers) per gallon	.0571875	.057185	.0553125
Gasoline prices at service station (average for ten marketing centers—including tax) per gallon	.1920	.1920	.1907

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

domestic accounts was not so heavy as it had been in the few preceding weeks.

Markets at Other Centers

Tulsa, Feb. 11.—A revival of interest in gasoline eliminated one of the draggy features of trading in refined oils throughout the refinery regions. Orders have been placed for several grades of material but the middle grade has of course been preferred due to the weather conditions. However, the third grade in which little interest is manifest at this time of the year, also came in for some attention this week. There was no large volume of trading in gasoline, but the interest has been enough to give a fillip to these products that had been dormant ever since the advance in crude oil.

So far the demand has not been sufficient to influence quotations which were still at the level of last week with a wide differential in the third grade between the spot market and the contract prices. In other grades there was also a wider differential than normal although it was narrowing down slowly.

Partly as a result of the low quotations for the third grade, the demand and prices for natural gasoline have further improved this week and the current demand was sufficiently widespread to absorb all of the current production of Oklahoma and Texas.

The shortage of burning oils and kerosene remain the most absorbing feature of the market. The tightness that has prevailed for the past few weeks was not subsiding and quotations remained as hard as they were a week ago. Finding supplies was still the most difficult feat for buyers to accomplish and it was felt in some circles that the upward trend in kerosene will extend easily into the opening of Spring while further spurs in prices of distillates may also be expected of another outbreak of severe temperatures occurs.

GASOLINE (refinery).—A wide range of prices prevailed in the third grade which was 4⅜c. per gallon in the resale market and 5⅜c. in the contract market. The middle grade of 63-67 octane was 5½c. to 5⅞c. per gallon while 68-70 was 5⅞c. to 6⅜c. per gallon.

GASOLINE (natural)—The 26-70 grade was quoted at 3½c. to 3¾c. per gallon for Texas and Oklahoma respectively while the 18-pound was 4.20c. in Texas and 4½c. in Oklahoma and the 22-pound grade 3.85c. a gallon in Texas and 4⅛c. in Oklahoma.

KEROSENE.—The 41-43 grade was quoted at 4c. in the resale spot market to 4⅜c. in the contract market while the 42-44 prices ranged from 4⅛c. to 4½c. per gallon. The market was very tight.

DISTILLATES.—Buyers were willing to make concession as 4c. has become the lowest quotation in the resale market for the highest grades. Quotations, however, were mostly nominal for the 38-40 prime white straw, and the 36-38 dark and light straw. In the contract market prices were 4¼c. per gallon for these grades. Gas oils were quoted at 3½c. in the resale spot market and 3¾c. in the contract market but the supply was also very thin and quotations were nominal.

FUEL OILS.—These products were in record demand and orders from railroads continued heavy. Mills are also asking for larger requirements. The lowest grades which only a few weeks ago were lagging are now most in demand. The gravities below 15 degrees were quoted from 80c. to 85c. per barrel regardless of viscosities. The high grade fuels such as 24-28 were quoted at $1 to $1.10 per barrel but owing to the scarcity of this product, a part of the demand was going into lower grades.

LUBRICANTS.—This market continued strong and prices held the recent gains. The movement was still large and shipments were going forward in record volume.

Chicago, Feb. 11.—Sentiment relating to the gasoline market in the general middle western territory was mixed, but on the whole it appeared a little steadier than was the case recently. Tankcar prices were still holding back not far from those effective before crude was advanced. Consumption has been hard hit by bad weather conditions throughout most of the interior region. At the same time, kerosene orders now seem a little brisker and tone was steadier. Light fuel oils were mixed, moving out fairly well, but with some offerings. The heavy fuel oils are stronger than at any time in many months and are reaching new high prices week by week. Lubricating oil market tone seems quite firm.

GASOLINE.—Low octane motor, 4¾c. to 4⅞c. per gallon; middle octane motor, 5⅛c. to 5¼c.; high octane motor, 5¾c. to 5⅞c.; 60-62, 400, 4¾c. to 4⅞c.; 64-66, 375, 5c. to 5¼c.; 68-70, 360, 5¼c. to 5½c.

KEROSENE.—42-44, water white, 4⅛c. to 4⅜c.; 41-43, water white, 4c. to 4¼c.

FURNACE OILS.—No. 1 prime white, 3⅞c. to 4c. per gallon; No. 1 straw, 3⅝c. to 3¾c.; No. 2 straw, 3⅝c. to 3¾c.; No. 2 dark, 3½c. to 3⅝c.; 32-36, dark, industrial gas oil, 2⅝c. to 2⅞c.

FUEL OILS.—No. 3, 3½c. to 3⅝c. per gallon; No. 4, $1.05 to $1.10 per barrel; No. 5, 82½c. to 87½c.; No. 6, 75c. to 80c.

New Orleans, Feb. 8.—A slight upward trend was noted in the domestic market during the past week, all commodities showing this increase with the exception of kerosene which alone remained unchanged. Foreign inquiries and exports were both good. U. S. motor gasoline was quoted at 6⅛c. per gallon, at refinery; U. S. motor below 62 octane 6⅛c.; 63-67 octane 6½c.; and 68-70 octane at 7c. per gallon, at refinery.

Kerosene was quoted at the unchanged price of 7⅜c. per gallon at refinery.

Bunker C fuel oil advanced to $1 per barrel at terminal and $1.05 per barrel delivered alongside. Industrial plants were being quoted at the advanced price of $1.41 per barrel, delivered.

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

Petroleum Production—Motor Fuel Stocks

	Barrels	
	1937	1936
Commercial crude oil production	Jan. 1-Feb. 13 139,175,000	Jan. 1-Feb. 13 123,044,000
	Week ended Feb. 13, 1937	Week ended Feb. 15, 1936
Daily average production	3,204,300	2,759,000
	Week ended Feb. 6, 1937	Week ended Jan. 30, 1936
Estimated motor fuel stock total	70,535,000	68,731,000*
Estimated finished motor fuel stock at refineries	44,145,000	43,011,000*

* Revised.

U. S. Petroleum Products Exports to Greece Increase

Imports of petroleum products into Greece from the United States sharply increased in the first half of 1936, compared with the corresponding period of 1935, according to information received by the Department of Commerce from Athens.

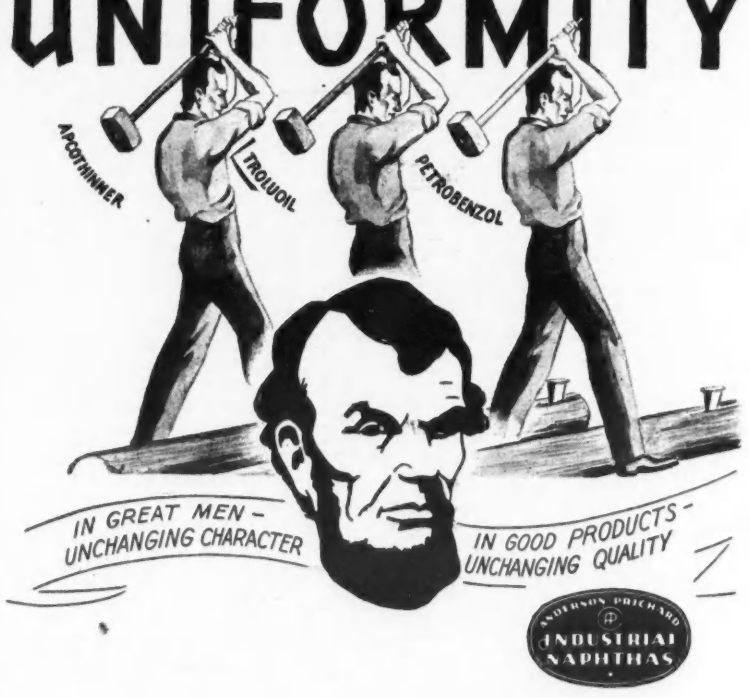
Arrivals of American petroleum items in the Greek market during the January-June period of last year were valued at $1,590,566, against $415,094 in the first half of 1935. The increased participation of the United States in the Greek petroleum trade, the report points out, was primarily due to the financial difficulty of securing supplies from Rumania. In the face of this, American prices are competitive, even with the longer ocean haul.

During the first six months of 1936 the United States supplied 77 percent of Greece's total fuel oil imports, 78 percent of the gasoline, 59 percent of the lubricating oils and greases, and 76 percent of the paraffin wax. A noteworthy development in the 1936 period was the importation of 500,000 barrels of American fuel oil, compared with 6,817 barrels in the first half of 1935, according to the report.

Howard Farkas, vice-president in charge of the New York office of the United States Stoneware Company, Akron, O., is on a two-week cruise through the West Indies on the steamship Champlain.

White Oils — All Grades
PETROLATUMS
DI-BUG PYRETHRUM PRODUCTS
SHERWOOD PETROLEUM CO., Inc.
REFINERY — WARREN, PA. BUSH TERMINAL — BROOKLYN, N. Y.

UNIFORMITY



YOU may always be sure of one thing when you purchase industrial naphthas—you "buy" the reputation of the manufacturer. That's one thing about Anderson-Prichard technical naphthas; they're dependable. APCOTHINNER, TROLUOIL and PETROBENZOL are the "buy-word" of the industry.

Atlantic Division:
D. H. LITTER CO.
NEW YORK
BOSTON
PHILADELPHIA

ANDERSON-PRICHARD OIL CORPORATION
PRODUCERS AP REFINERS
OKLAHOMA CITY, OKLA.

Canadian Representatives:
APCO PETROLEUM PRODUCTS, LTD.
MONTREAL
TORONTO

AKRON CHICAGO KANSAS CITY DETROIT INDIANAPOLIS
CINCINNATI CLEVELAND ST. LOUIS PITTSBURGH MILWAUKEE

Fertilizer Materials

Trading Continues Dull—Packing House Ammoniates Continue Weaker — Mineral Ammoniates and Potashes Quiet and Expected to Continue So Through This Month

The fertilizer materials' market was dull throughout last week. Continued weakening of packing-house ammoniates was the market's only noteworthy performance, and the extended decline of prices for materials in this group did not seem very important what with such quiet prevailing in the market. The drop in animal ammoniates over the past three weeks offered small cheer to the smaller mixers who wait for the larger producers to issue mixed goods prices before buying their raw materials supplies. When compared with the current season's returns on mixed goods, even the present levels of organics were considered out of the reach of the smaller mixers. Observers of the market predicted very little Spring selling from the mixers who usually turn out anywhere from 1,000 to 3,000 tons.

Mineral ammoniates and potash materials were very quiet and the sellers of the latter did not expect any change from the present dullness until after this month or when the trade can estimate more accurately its requirements for the spot season. In fact, general trade in fertilizer chemicals was likely to be dull for the remainder of the season because most of the larger and intermediate-sized buyers were believed to be comfortably covered on purchases made early in the season, and, many of the smaller mixers cannot buy at current market costs and expect to compete in the mixed goods market at the prices now quoted to the farmers.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Blood, dom., Chicago, 50c. per unit.
import, 10c. per unit.
Fish scrap, Japanese, spot, $1 per ton.
Hoofmeal, Chicago, 25c. per unit.
Tankage, dom., New York, 10c. to 25c. per unit-ton.
import., 15c. per unit-ton.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of a normal of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
64.0	**64.0**	**64.0**	**57.7**

Market news that may have developed after this report was sent to press will be found on page 4.

Ammoniates

Nitrate of Soda.—The market was without change in position last week. Delivery orders against contracts were still light but noticably more active than the rate of ordering a few weeks ago. Prices held at the established schedule and as indicated previously, it was not likely that prices would follow the advance that took place recently in other mineral ammoniates. A Department of Commerce dispatch from Rome stated that the Italian government decreed that the quota of nitrate of soda which may be imported into Italy duty free up to June 30, 1937, was increased by 20,000 tons, making the total 60,000 tons.

Sulphate of Ammonia.—Price steadiness was the market's outstanding characteristic last week. The movement toward consuming centers has been light. The $1 per ton increase in prices which sellers named for February-June delivery held firmly.

Dried Blood.—Prices continued to ease at all marketing points. Offerings of imported material for April shipment were named at $3.90 per unit, a reduction of 10c. and the first time in several weeks that the market has gone below the $4 mark. Latest quotations from Chicago were $4 to $4.10 per unit, which compared with $4.50 per unit a week ago. The New York market was quoted at $4.25 per unit with no sales reported but the $4.25 figure was admittedly weak and it was believed that $4.10 per unit might be done without difficulty.

Castor Pomace.—This commodity was quite scarce. First-hand suppliers asked $24 per ton, which was a rise of $1 per ton; re-sale transactions were reported during the week at $23 per ton. There has been some high-test material which runs close to 7 percent ammonia selling in the South at $4 per unit of ammonia, f.o.b. Southern ports,

Fish Scrap.—Some Japanese sardine meal was offered for February shipment from abroad—April arrival—at $54 per ton, c.i.f. and subject to confirmation. Foreign suppliers were unable to offer much this side of April shipment and some orders placed for nearby shipment were accepted subject but were not confirmed when they reached the Orient. Baltimore reported offerings of Fernandina material at $45 to $50 per ton for Spring shipment. The amount of resale menhaden scrap and meal in the Chesapeake area was negligible and the nominal prices were around $4 and 10c. per unit-ton and $58 per ton, respectively.

Hoof Meal.—Offering prices in Chicago moved off last week and holders of stocks named $3.25 per unit as the trading level. This figure represented a decline of 25c. per unit from the asked figure a week ago.

Nitrogenous Material. — There has been no change in the position of the market and there has been very little activity in recent weeks. Supplies, of course, were light. The Western market continued more or less nominally at $3.50 per unit. Eastern quotations ranged from $3.60 to $3.75 per unit. There were no offerings of the foreign product reported.

Tankage.—Importers offered material for March-April shipment from abroad at $4.10 and 10c. per unit-ton, which compared with the preceding week's offering price of $4.25 and 10c. per unit-ton. The New York market was lower and considered weak at $4 and 10c. per unit-ton for unground and $4.15 and 10c. per unit-ton for ground. These quotations were off 10c. to 25c. per unit-ton from the figures of a week ago. Quotations in the Chicago market remained unchanged with fertilizer grade at $3.75 and 10c. per unit-ton and the feeding grade at $4.25 and 10c. per unit-ton.

Potashes

The potash market was very quiet last week. There was hardly any evidence of interest in the market and according to what the sellers say, there was not likely to be much concern in the market until next month when the buyers get a better idea of what their spot season requirements will be. Prices, of course, continued unchanged at list.

Phosphates

The bone products did not undergo any open price revision during the week. There was very little trading here and in the Midwest and the prices were more or less nominal on the lack of market activity. Superphosphate was moving in moderate fashion and perhaps the most noticeable part of the market for that product was the talk of price strength. A Department of Commerce report stated that sales of fertilizer grade ammonium phosphate in Canada have increased from 10,001 short tons in the year ended June 30, 1934, to 17,729 tons in the fiscal year 1935-36. Exactly one-half of the 1935-36 tonnage was exported. Of the domestic consumption, 1,010 tons were marketed in Ontario, while the remainder was sold almost exclusively in the prairie provinces.

Bone Materials.—There was very little interest in the market last week and the prices were more or less nominal at the levels mentioned a week ago. The Chicago market held its advance but the rise was not extended last week.

Superphosphate.—The calls for deliveries were light and scattered. Prices continued in an unchanged position but there has been practically no new business booked in recent weeks.

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

Sulphur and Pyrites

With a fourth quarter production of 513,286 long tons, the largest quarterly production since 1931, Texas production of sulphur in 1936 totaled 1,723,904 long tons, the largest in five years, according to the tax payments made to the state comptroller's office. The 1935 production was 1,253,813 tons.

Louisiana production, according to severence tax payments in that State, was 62,700 long tons in the final quarter of 1936—the smallest since the opening quarter of 1935—making the year's total production 288,099 long tons. The 1935 production was 373,283 long tons.

Texas production by quarters in 1936 and a comparison with 1935 was as follows:—

Quarter	Long tons 1936	1935
1st	389,608	255,396
2nd	384,671	271,452
3rd	436,339	352,689
4th	513,286	374,276

The Louisiana figures were as follows:—

Quarter	Long tons 1936	1935
1st	79,772	44,884
2nd	72,022	71,172
3rd	73,605	130,821
4th	62,700	126,406

An analysis of the Texas production for the final quarter of last year indicated that the leading producer in Wharton county turned out 363,440 tons there and 10,686 tons at Fort Bend. Another producer in the Wharton area was responsible for 30,000 tons and an operator in Brazoria county produced 109,080 tons.

Markets at Other Centers

Atlanta, Feb. 10.—The market activity in fertilizer materials consisted of comparatively small orders from mixers. Due to wet weather, land preparation was delayed, which in turn, has had an effect on fertilizer demand. Expecting sales for the cotton crop to exceed that of last year, fertilizer manufacturers were not disturbed by the delay.

Offerings of organic nitrogen, other than cottonseed meal, were very light and trade interest was lacking except for cottonseed meal. Inorganic materials were in steady demand at scheduled prices.

Quotations of this market were as follows:—

SUPERPHOSPHATE.—$11.30 ton, interior producing points.

NITRATE OF SODA.—$23.50 ton, spot, port basis.

SULPHATE OF AMMONIA.—$26 ton, ports and Southern producing points.

COTTONSEED MEAL.—7 percent grade, $34 ton, interior mill points.

CYANIMIDE.—$1.07½ per unit, Atlanta port; $1.12½ Gulf ports.

NITROGENOUS.—Midwest $2.50 to $2.60 per unit.

TANKAGE.—$4.00 to $4.10 and 10c. per unit. Chicago.

Baltimore, Feb. 10.—While the surface aspect of the fertilizer trade here was characterized by an appearance of quiet, interest was none the less manifested in developments. An undercurrent of firmness prevails in the prices, which were as follows:—

FISH SCRAP.—New material from Florida was quoted at $45 to $50 per ton for spring shipment. Resales of supplies here, as far as they can be negotiated, were effected around $4 per unit-ton. For sardine meal $53 to $55 per ton was asked on futures, with April-May at $49.50 to $50.50 per ton, but with trading absent, while June was held at $45 per ton, all c.i.f. Domestic menhaden meal ruled at approximately $60 per ton.

TANKAGE.—Feeding stocks were held at around $4.50 and 10c. per unit-ton f.o.b. shipping point, with fertilizer stocks quoted at $4 and 10c. to $4.25 and 10c. per unit-ton.

BLOOD.—Quotations were $4.25 to $4.30 per unit, c.a.f. basis Baltimore.

NITRATE OF SODA.—Steadiness characterized this commodity.

NITROGENOUS MATERIAL.—Quotations ranged from $3.60 to $3.75 per unit.

GARBAGE TANKAGE.—Prices were $8.25 to $8.50 per ton, f.o.b. shipping point, which makes the level here about $12 to $12.50 per ton.

BONE.—Steamed 3 and 50 bone was quoted at $28 to $30 per ton, with 4½ and 50 ground raw at $38 per ton. As for 1 and 60 for later shipment, the figures mentioned were $24 to $25 per ton.

Chicago, Feb. 10.—The general fertilizer market action was along lines dominated by a slightly easier tone. Buyers used more caution in placing orders, and prices in various divisions of products have been shading a bit lower here and there. Nevertheless, most sellers claimed they were able to do business at rather satisfactory prices. Continuation of inquiries indicated that buyers of blood were prospectively interested. Tankage was slow. Bone materials were a little uneven, with no pronounced change shown anywhere.

BLOOD.—Principal grade, $4.25 to $4.50 per unit of ammonia.

TANKAGE.—High grade, $3.50 to $3.75 and 10c.; low grade, $19 to $20, Middle West; liquid stick, $2.50 to $2.65; hoof meal, $3.25 to $3.50.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $20 to $22; 3 and 50 percent, $23 to $25; 4½ and 50 percent, $28 to $30; grinding hoofs, pigs' toes and waste horn materials, $22 to $23; junk and hotel kitchen bones, $21 to $22; cattle jaws, skulls and knuckles, $30 to $31; pork cracklings, soft pressed, $65 to $70; beef cracklings, soft pressed, $55 to $60; hard pressed cracklings, per unit of protein, 95c. to $1.

San Francisco, Feb. 9.—Considerable delay in making contracted shipments into the citrus belt was seen in some divisions of the fertilizer market here last week, as the results of one of the worst freezes in history were still being summed up. The markets remained mostly as they were, with only a light buying interest last week, although it was apparent that renewed prospects of business would be at hand shortly—as soon as the present situation was cleared up a bit. Estimates as to the amount of the damage run at wide variance. It was a conclusion that the higher market prices for fruit would not be a full compensating factor. One of the keynotes of the week was the ending of the maritime strike, which will allow free shipment once more of potashes and phosphates of foreign origin, the elements most needed at the present time.

Ruling prices were:—

NITRATE OF SODA.—100-pound bags, $26 per ton; 200-pound bags, $27.50 per ton; bulk lots $26 per ton, all ex vessel San Francisco/Oakland.

AMMONIA SULPHATE.—Quoted at $27.50 per ton, f.o.b. cars in 100-pound bags, San Francisco and Los Angeles and $28.50 per ton, delivered inland California points, excepting Imperial Valley and San Diego county. Latter points, $29.50. Prices good for delivery to June.

AMMONIA PHOSPHATE.—Quoted at $38 per ton, single bags; $38.50 per ton, paper-lined bags, f.o.b. cars, San Francisco; basis 16 percent N., 20 percent P.A.

POTASH NITRATE.—100-pound bags, $33 per ton, ex vessel or warehouse, San Francisco/Oakland.

SUPERPHOSPHATE.—Domestic quoted at 75c. to 80c. per unit in bulk, f.o.b. San Francisco and Los Angeles harbor; bags, 85c. to 90c. per unit; Foreign, 67½c. to 70c. per unit in bags, c.i.f. Pacific Coast.

FISH MEALS.—California sardine meal nominal, at the moment ruling between $50 to $52.50 per ton, prompt to deferred shipment, f.o.b. cars, Monterey/San Francisco. Japanese meal quoted at $39 to $40 per ton for fertilizer grade, ex dock, San Francisco.

TANKAGE.—Local packing house, ground, fertilizer grade, quoted at $3.65 and 10c. per unit-ton, f.o.b. cars, San Francisco and Los Angeles. Dry rendered, domestic ground, quoted at $1 per unit of protein, f.o.b. cars, San Francisco. Unground, dry rendered, quoted at 87½c. per unit.

BONE MEAL.—Domestic steamed meal, quoted, according to seller and quality, at $25 to $32 per ton, delivered Pacific Coast ports.

BLOOD MEAL.—Domestic quoted at $3.85 to $4 per unit, f.o.b. cars, San Francisco and Los Angeles, with buyers reported unwilling to go over $3.50. Argentine was $4.20, c.i.f.

Hercules Powder Net Increased

The Hercules Powder Company and subsidiaries report for the year 1936, net income of $4,284,164, after depreciation, Federal income taxes, and other charges, equivalent after deducting preferred dividends, to $6.33 a share on 583,872 no-par shares of common stock, excluding shares held in the treasury. This compares with $3,175,973, or $4.23 a share on 583,607 common shares in 1935.

Current assets December 31 amounted to $17,833,604 and current liabilities were $2,778,015, compared with current assets of $16,209,440 and current liabilities of $1,598,172 at the end of the preceding year.

Cyanamid Buys Calcyanide

The Calcyanide Company has been acquired by the American Cyanamid Company. The purchase of the Calcyanide Company, which was a subsidiary of Air Reduction Corporation, was made in order to round out the wide line of fumigants sold by the Cyanamid company. The Calcyanide Company is a sales agent for a high-grade calcium cyanide imported from Germany.

DOMESTIC
SULPHATE OF AMMONIA
AND AMMONIA LIQUOR
THE Barrett COMPANY — 40 RECTOR STREET, NEW YORK

Scientific and Professional Services

Alexander, Jerome
Consulting Chemist and Chemical Engineer
Especial experience in colloid chemistry and its applications. Representation for Patents, Processes, Products and Apparatus. Research Advice, Investigations, Expert Testimony.
50 East 41st Street New York City
Member:—Association of Consulting Chemists and Chemical Engineers

Chemical Engineers—
Representation on this page would result in inquiries and business. We have a special rate for professional cards. May we quote it to you?
Oil, Paint and Drug Reporter 12 Gold Street, New York, N. Y.

Charles H. LaWall Joseph W. B. Harrisson
LAWALL AND HARRISSON
Analytical and Consulting Chemists
Pharmaceutical and Chemical Research. Process and Formula Development. Food, Drug and Water Analyses. Legal Testimony.
214 So. 12th Street, Philadelphia, Pa.

Pease Laboratories, Inc.
CHEMISTS SANITARIANS BACTERIOLOGISTS
ANALYSTS SCIENTIFIC LIBRARY SERVICE
MEDICAL ADVERTISING AND TECHNICAL CONSULTANTS
39 West 38th Street . . . . . New York

Est. 1865
W. S. Purdy Co., Inc.
ANALYTICAL AND CONSULTING CHEMISTS
Petroleum Oils, Waxes, Greases, Soaps, Fuel Oils, Coal
Phone Hanover 2-2772
128 Water Street New York City, N. Y.

Sadtler, Samuel P., & Son, Inc.
Research and Analytical Chemists
CHEMICAL ENGINEERS
Patent and Legal Testimony
210 South 13th Street.....Philadelphia, Pa.
"Nothing Pays Like Research"

Bureau of Chemistry
New York Produce Exchange
H. B. Trevithick, Ph. B., B. S.
2 Broadway New York
Cottonseed Oil, Oils, Greases, Soaps, Turpentine, Glycerine, Cattle Foods, Spices, Chemicals, etc.
Consultation—Research.

ANTI-KNOCK VALUE DETERMINATIONS
The Gray Industrial Laboratories
Chemists and Engineers
Specialists on Petroleum Products
901-976 Frelinghuysen Ave., Newark, N. J.
Telephone: Bigelow 3-4080

Hochstadter Laboratories, Inc.
Chemical Analyses, Consultants, Technical Experts, Investigations, Litigation.
Coals, Oils, Water, Foodstuffs, Gelatine, Beverages, Dairy Products, Confectionery, Drugs, Minerals, Textile Materials, etc.
Phone LOngacre 5-5360/5361.
254 West 31st Street New York

DRAWBACK SPECIALISTS
We specialize in the collection of drawback refunds of duty or tax paid on materials used in the manufacture of products for export.
C. J. Holt & Co., Inc.
8-10 Bridge Street New York, N. Y.
Phone BOwling Green 9-6841

Knight, B. H.
Analytical and Consulting Chemist
80 East 41st Street New York
OFFICIAL ANALYST
U. S. Shellac Importers Assoc.
Am. Bleached Shellac Mfrs. Assoc.
American Gum Importers Assoc.

Laning Company, E. M., Inc.
Consulting Chemists
Specializing in Perfume, Toilet Preparations, Pharmaceuticals and Flavors Exclusively. Formulas Perfected. Problems Solved. Plants Equipped.
433 Stuyvesant Ave. Irvington N. J.
Phone Terrace 3-3620.
E. M. Laning, B. Sc., President
Robert C. Purcell, Phar. D., V-Pres.

Miel, George A.
Analytical & Consulting Chemists
Specializing in the:
Physical and Chemical Analysis of Paints, Varnishes, Shellacs, and materials of the Paint Industry. Consultation on Formulation and Processing of Paints, Varnishes and Shellacs.
128 Water Street HA 2-9080

Orthmann Laboratories, Inc.
AUG. C. ORTHMANN, Director
Specialists in Leather and Allied Industries.
Consulting Analytical and Research
647 W. Virginia Street, Milwaukee, Wis.

Pacific Food & Drug Laboratories, Inc.
Specializing in
VITAMIN ASSAYS
and development work
Pacific Beach, California

INDUSTRIAL MICROSCOPY
Largest and most completely equipped laboratory of its kind.
VISUAL PROOF for modern advertising and testimony.
Optical and Mechanical Engineering.
HENRY ROGER
Sandy Hook, Conn. Phone: Newtown 65-3
(Formerly with Rockefeller Institute)

Schwarz Laboratories, Inc.
Analysts — Biologists — Consultants
BEVERAGES, EDIBLE OILS
ESSENTIAL OILS, FOODS, WATER
202 East 44th Street New York, N.Y.
Murray Hill 2-0007

Seil, Putt & Rusby, Inc.
H. A. Seil, Ph. D., Earl B. Putt, Ph. C., B. Sc.
SPR
Analytical and Consulting Chemists
Drugs, Spices, Essential Oils, Flavoring Extracts, Foods, Beverages.
Phone Ashland 4-4343.
16 East 34th St. New York City

Snell, Inc., Foster D.
Chemists—Engineers
Every form of chemical service.
305 Washington St. Brooklyn, N. Y.
315 N. Calvert St. Baltimore, Md.

Stillwell & Gladding Established 1868
Analytical and Consulting Chemists
Oils, Soaps, Fats, Paints, Varnishes, Drugs, Gums, Foods, Glycerine, Turpentine, Waxes, Spices, etc.
Member Association Consulting Chemists and Chemical Engineers
130 Cedar Street New York

Vorce, L. D.
Chemical Engineer
Electrolytic Cells
Chlorine, Caustic, Hydrogen.
20 Norman Road Montclair, N. J.
Telephone 2-4516

Wiley & Co., Inc.
Analytical and Consulting Chemists
Specializing on analysis of beverages, fertilizers, phosphates, wood pulp, coal and coke, feeding materials, etc.
Calvert and Read Streets, Baltimore, Md.

DuPont Nets $83,557,470 For 1936, High Record

E. I. du Pont de Nemours & Co. earned $7.56 a share in 1936 on the outstanding 11,049,470 common shares. This compared with $5.04 a share on 11,050,-399 common shares outstanding in 1935. The 1936 earnings of $83,557,740 applicable to the common stock was the highest reported since 1929, when $78,171,-730 was earned. Consolidated net income amounted to $89,884,449, equal to 13.7 times the debenture stock dividend for the year, compared with $62,085,-410 for 1935. The company's surplus at the end of 1936 was $226,236,595, against $196,312,228 at the close of 1935.

The volume of business of the company and its wholly owned subsidiaries amounted to approximately $260,300,000 for 1936, an increase of about 18 percent over 1935. Income from operations was $52,965,490, compared with $40,716,924 in 1935. Income from investments shows $44,004,389 from investment in General Motors common stock, as compared with $22,497,720 from the same source in 1935. Holdings in General Motors common stock amounts to 10,000,000 shares, which was listed in the assets at $17.60 a share.

The ratio of current assets to current liabilities is 4.8 to one. The current assets include $65,844,573 in cash; $9,970-783 in marketable securities; $26,036,926, accounts and notes receivable, trade (less reserve for doubtful accounts and notes, cash discounts, etc., $1,330,190); $50,547,571, inventories at or below cost; and $2,830,095, miscellaneous accounts receivable, advances, etc.

Approximately $31,000,000 was expended in extending and modernizing the company's manufacturing facilities. About $18,700,000 of this amount provided additional capacity for some of the older processes and for facilities for initial operation of new processes, and approximately $12,300,000 for renewal and modernization of equipment and facilities used in existing processes. The additional facilities provided were principally for the manufacture of ammonia and alcohols at Belle, W. Va.; dyestuffs, camphor and other organic chemicals at Deepwater Point, N. J.; rayon yarn and "Cellophane" cellulose film at Buffalo, N. Y.; Old Hickory, Tenn.; Richmond, Va., and Waynesboro, Va. Construction of a plant for additional capacity for the manufacture of tetra-ethyl lead was begun at Baton Rouge, La.

Arrangements are being made to transfer the administrative organizations of the Grasselli chemicals department; the office building division, formerly the Du Pont Building Corporation; the "Cellophane" division of the rayon department, formerly the Dupont Cellophane Company; the rayon division of the rayon department, formerly the Du Pont Rayon Company; the Plastic department, formerly the Dupont Viscoloid Company, to Wilmington. It is expected that by June, 1937, all of the company's general offices will be located in Wilmington, partly in the Du Pont building and partly in the Nemours building, the latter a modern, completely air-conditioned office building now nearing completion.

Toovey Joins Staff of Pennsylvania Salt Co.

Thomas W. Toovey has joined the staff of the Pennsylvania Salt Manufacturing Company, one of the principal producers of liquid chlorine in the United States. He has just returned to America after an extended trip through Norway, Sweden and Finland, where he visited pulp and paper mills.

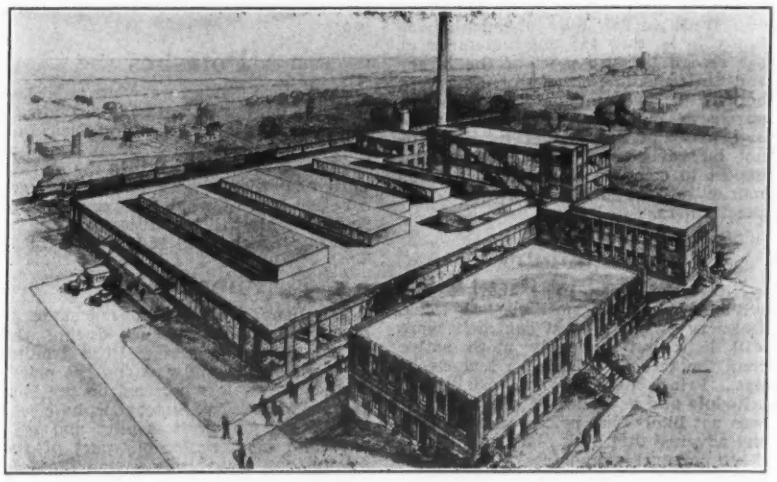
T. W. Toovey

Mr. Toovey first entered the pulp and paper field in 1923. Five years were devoted to work with the Canada International Pulp & Paper Company, Hawkesbury, Ontario, where he was a member of the research department under Professor Dr. Heuser. The following six years he was employed by the British Columbia Pulp & Paper Company, Port Alice, Vancouver, where most of his time was occupied with mill work and plant problems and gathering first-hand general plant experience. During the last two and one-half years, Mr. Toovey was in the research and bleaching departments of the Harmanec Pulp Mills, at Harmanec, u.Banske Bystrice, Czechoslovakia. He worked under Dr. Ladd Rys, the bleaching expert known throughout the world.

Mr. Toovey is a chemical engineer and member of the Engineering Institute of Canada. His Canadian, American, and more recently, his wide European experience has admirably equipped him to assist the Pennsylvania Salt Manufacturing Company in handling pulp bleaching problems and their relation to the use and application of liquid chlorine. Mr. Toovey has been assigned to the chlorine sales division and will be located at the Philadelphia executive offices of the company.

Merrell Co. New Plant Nearing Completion

Construction on the new plant of the William S. Merrell Company, pharmaceutical manufacturer, on Amity road at the Pennsylvania railroad tracks near Reading, a suburb of Cincinnati, is rapidly approaching completion. The plant, pictured herewith, completely equipped, is to cost approximately $800,000.



Sale of the company's old factory buildings and property at Fifth, Pike and Butler streets to the City of Cincinnati for the Columbia avenue viaduct made removal to a new site necessary.

The new laboratory buildings and warehouse ranging from one to three stories in height and a two-story office building will be of steel, brick and concrete construction. Modern equipment will be installed in all departments.

The Merrell Company recently completed its 108th year in business under the continuous management of the direct descendants of the founder, Dr. William S. Merrell. Executives of the company are:—President, Charles G. Merrell; vice-president and general manager, Thurston Merrell; secretary-treasurer, Lee Wiltsee; assistant treasurer, E. A. Joering; sales manager, Walter G. Hodge; advertising manager, Donald Merrell; export manager, T. A. Gatchell; scientific director, Dr. T. H. Rider, and production manager, W. A. Smith.

Paint and Oil Club of New England, at its meeting February 11, listened to Fred J. Wallace, a deep-sea diver, tell of his adventures "Twenty Fathoms Down." The meeting was in the Parker House and was preceded by a social gathering and dinner.

Shipping Information

All matter under this head fully protected by copyright

Imports at U.S. Ports

New York Imports

ACID, ADIPIC—145 bbls, E I Du Pont de Nemours Co, Washington, Hamburg
CRESYLIC—50 dms, American Cyanamid & Chem Co, American Importer, Manchester
200 dms, Black Tern, Antwerp
22 dms, American Cyanamid & Chem Co, American Importer, Liverpool
47 dms, Monsanto Chem Co, American Importer, Liverpool
100 dms, White Tar Co, Samaria, Liverpool
FATTY—20 bgs, E I Du Pont de Nemours & Co, Washington, Hamburg
NAPHTHENIC—90 dms, 38,154 lbs, Hamburg, Hamburg
5 dms, Shell Oil Co of Canada, Hamburg, Hamburg
SOYBEAN OIL—256 bbls, J H Kedding Co, Black Tern, Rotterdam
TARTARIC—180 cks, Leghorn Trading Co, Excambion, Genoa
VEGETABLE—47 bbls, Pennland, Antwerp
ADEPS LANAE—100 dms, C Tennant Sons & Co, American Importer, Liverpool
ALBUMEN, EGG, HEN—56 bbls, Joe Lowe Corp, Norfolk, Tientsin
56 cs, Stein, Hall & Co, Norfolk, Shanghai
56 cs, Importers Com Co, Norfolk, Shanghai
56 cs, T M Duche & Sons, Norfolk, Shanghai
112 cs, D L Moss & Co, Norfolk, Shanghai
ALOE—150 cs, Caracas, Aruba
ALUMINUM LEAF—145 cs, F P Garkell & Co, Pennland, Antwerp
AMMONIA, SULPHATE—850 bgs, Bradley & Baker, Veendam, Rotterdam
ANISE—11 bgs, Excambion, Piraeus
STAR—130 bgs, E E Marks & Co, Excambion, Marseilles
52 bgs, American Express Co, Excambion, Marseilles
84 bgs, Excambion, Marseilles
ANNATTO SEED—200 bgs, J A Manton, Pastores, Kingston
ANTIMONY ORE—700 bgs, Philipp Bros, Marna, Arica
500 bgs, Watson, Geach & Co, Yucatan, Vera Cruz
360 bgs, Philipp Bros, Santa Lucia, Arica
ARTISTS MATERIAL—4 cs, Gallagher & Ascher, Black Tern, Rotterdam
ASPHALT—346 bgs, A V Berner & Co, Seatrain New York, Havana
BABASSU KERNELS—12,916 bgs, General Foods Corp, Golden Sea, Parnahyba
4,167 bgs, Pacific Nut Oil Co, Golden Sea, Maranham
BARIUM CHLORATE—60 kgs, 7,436 lbs, International Selling Corp, Pipestone County, Havre
HYDROXIDE—1 ck, Merck & Co, Spaarndam, Rotterdam
BARK, MEDICINAL—21 bls, Cohen & Co, Munargo, Havana
BARYTES—1 car, P E Shundler Co, Seatrain New Orleans, Havana
BAUXITE ORE—1,920 tons, Aluminum Union, Ltd, Ingrid, Georgetown
BAY RUM—24 dms, Bornn Distilling Co, Fort Townshend, St Thomas
BLACK—20 cks, 12,056 lbs, Reichard Coulston, Black Tern, Rotterdam
PRINTING—26 cks, General Aniline Works, Europa, Bremen
BLANC FIXE—10 cks, Philipp Bros, Spaarndam, Rotterdam
BONE MEAL—2,000 bgs, Swift & Co, Eastern Prince, Buenos Aires
340 bgs, R H Scott & Sons, Black Tern, Antwerp
BRISTLES—1 cs, Guaranty Trust Co, Hamburg, Hamburg
6 cs, F H Cone & Co, Pipestone County, Havre
9 cs, Bank of London South America, Rhesus, Hongkong
3 cs, H Rosenhirsch & Co, Rhesus, Hongkong
50 cs, Chesnut Cooper & Co, Norfolk, Tientsin
50 cs, F H Cone & Co, Norfolk, Taku Bar
BRONZE POWDER—12 cs, J J Coates, Hamburg, Hamburg
CARAWAY SEED—100 bgs, 11,000 lbs, R L Friedler, Spaarndam, Rotterdam
100 bgs, 11,000 lbs, Black Tern, Rotterdam
100 bgs, 11,000 lbs, R L Friedler, Black Tern, Rotterdam
100 bgs, 22,000 lbs, R L Friedler, Veendam, Rotterdam
200 bgs, 11,000 lbs, C M Van Sillevoldt, Haukefjell, Rotterdam
300 bgs, 33,000 lbs, Catz American Co, Haukefjell, Rotterdam
150 bgs, 16,700 lbs, I A Grob & Co, Haukefjell, Rotterdam
100 bgs, 11,000 lbs, Otto Gerdau Co, Haukefjell, Rotterdam
100 bgs, 11,000 lbs, Levy & Levis Co, Haukfjell, Rotterdam
100 bgs, 11,000 lbs, Pepper Product Co, Haukefjell, Rotterdam
150 bgs, 16,500 lbs, Western Brokerage Co, Haukefjell, Rotterdam
200 bgs, 22,000 lbs, Knickerbocker Mills Co, Haukefjell, Rotterdam
CARBON DECOLORIZING—375 bgs, Spaarndam, Rotterdam
5 dms, L A Solomon & Bro, Veendam, Rotterdam
CARDAMON—4 cs, W E Martin, Platano, Livingston
CAROB BEAN FLOUR—20 bgs, Excambion, Marseilles
CASEIN—834 bgs, American British Chem Supplies, Eastern Prince, Buenos Aires
250 bgs, A Hurst & Co, Eastern Prince, Buenos Aires
1,003 bgs, American Cyanamid & Chem Co, Eastern Prince, Buenos Aires
134 bgs, D C Andrews & Co, Hamburg, Hamburg
2,000 bgs, Jungmann & Co, Wiegand, Melbourne
400 bgs, Veendam, Rotterdam
CASTOR BEANS—1,700 bgs, L Dreyfus & Co, Golden Sea, Pernambuco
5,100 bgs, Baker Castor Oil Co, Golden Sea, Pernambuco
1,685 bgs, Golden Sea, Fortaleza
11,820 bgs, Baker Castor Oil, Golden Sea, Bahia
1,604 bgs, Golden Sea, Bahia
CELERY SEED—20 bgs, Joensson Import Co, Excambion, Marseilles
88 bgs, American Importer, Liverpool
CHALK—200 bgs, 22,000 lbs, Whittaker, Clark & Daniels, Hamburg, Hamburg
BLOCK—488,000 kilos, Taintor Trading Co, Sarcoxie, Dunkirk
CHALK, PRECIPITATED—375 bgs, 33,000 lbs, Van Oppen & Co, Pipestone County, Dunkirk
50 bbls, H J Baker & Bros, Samaria, Liverpool
CHAMOIS—4 cs, American Sponge & Chamois Co, Washington, Havre
1 cs, Chase Nat'l Bank, Washington, Havre
CHEMICALS—126 cks, 1 cs, African Metals Corp, Emile Francqui, Antwerp
10 bbls, Emile Francqui, Antwerp
1,597 bgs, Advance Solvents & Chem Co, Pennland, Antwerp
65 cks, 2 dms, Advance Solvents & Chem Co, Spaarndam, Rotterdam
40 dms, General Aniline Works, Spaarndam, Rotterdam
3 dms, 5 cs, Michel Export Co, Spaarndam, Rotterdam
2,120 dms, National Carloading Co, Spaarndam, Rotterdam
30 dms, G Uhe Co, Spaarndam, Rotterdam
9 cs, Merck & Co, Spaarndam, Rotterdam
6 cks, Jungmann & Co, Spaarndam, Rotterdam
10 dms, Hummel Chem Co, Hamburg, Hamburg
14 cks, Advance Solvents & Chem Co, Hamburg, Hamburg
100 cks, 25 carboys, Jungmann & Co, Hamburg, Hamburg
1 cs, 1 bbl, P C Kuyper & Co, Hamburg, Hamburg
100 bgs, Innis, Speiden & Co, Hamburg, Hamburg
45 cs, Schimmel & Co, Hamburg, Hamburg
110 carboys, 3 cs, Hamburg, Hamburg
7 cs, Byk, Inc, Hamburg, Hamburg
2 cks, Fezandie & Sperrle, Hamburg, Hamburg
5 cs, Schenker & Co, Hamburg, Hamburg
1 cs, Lo Curto & Funk, Hamburg, Hamburg
4 cs, Ernest Bischoff, Hamburg, Hamburg
10 cks, Wm Neuberg, Hamburg, Hamburg
6 cs, 251 bgs, Innis, Speiden & Co, Hamburg, Hamburg
81 dms, 20 bbls, African Metals Corp, Black Tern, Antwerp
8 cks, Philip Bauer Co, Black Tern, Rotterdam
25 cs, Black Tern, Rotterdam
30 cks, Royal Bank of Canada, Black Tern, Rotterdam
3 bbls, L H Lang-G Van Gelder, Black Tern, Rotterdam
6 cs, H W Robinson, Washington, Havre
14 dms, Michel Export Co, Veendam, Rotterdam
125 cks, 445 bgs, 104 dms, Advance Solvents & Chem Co, Veendam, Rotterdam
6 cks, 12 dms, General Dyestuff Corp, Veendam, Rotterdam
50 dms, American Cyanamid & Chem Co, Veendam, Rotterdam
100 cks, Jungmann & Co, Veendam, Rotterdam
2 cks, 7 carboys, Merck & Co, Veendam, Rotterdam
7 bbls, Veendam, Rotterdam
3 cs, A Maschmeyer, Veendam, Rotterdam
12 dms, Sandoz Chem Works, Europa, Bremen
9 cks, General Aniline Works, Europa, Bremen
CHILLIES—242 bgs, Hamburg, Hamburg
CHINA CLAY—448 bgs, Orbis Product Corp, Samaria, Liverpool
CHROME METAL—50 dms, Driver Harris Co, American Importer, Manchester
CINCHONA BARK—90 bls, New York Quinine & Chem Works, Veendam, Rotterdam
PRODUCTS—86 cs, H W Greeff & Co, Spaarndam, Rotterdam
100 dms, R W Greeff & Co, Veendam, Rotterdam
CINNAMON—50 bls, Silversandal, Colombo
CLAY—401 bgs, Spaarndam, Rotterdam
50 bgs, W Manley, Washington, Hamburg
COALDUST—50 dms, Veendam, Rotterdam
COALTAR DERIVATIVE — 14 cks, General Aniline Works, Veendam, Rotterdam
INTERMEDIATES—72 cks, General Aniline Works, Spaarndam, Rotterdam
1 dm, 22 cks, 20 bottles, General Dyestuff Corp, Spaarndam, Rotterdam
1 ck, Geigy Co, Hamburg, Hamburg
1 cs, General Dyestuff Corp, Hamburg, Hamburg
6 cks, General Aniline Works, Veendam, Rotterdam
13 cks, 10 cs, 105 dms, General Dyestuff Corp, Veendam, Rotterdam
7 dms, Sandoz Chem Works, Europa, Bremen
10 dms, General Dyestuff Corp, Europa, Bremen
18 cks, General Aniline Works, Europa, Bremen
COBALT METAL—100 cks, Central Trading Corp, Emile Francqui, Antwerp
OXIDE—20 cks, Central Trading Corp, Emile Francqui, Antwerp
SULPHATE—30 cks, Central Trading Corp, Emile Francqui, Antwerp
COCOA BEANS—300 bgs, Gatun, Ceiba
150 bgs, W R Grace & Co, Eastern Prince, Trinidad
909 bgs, Wessel, Kulenkampf & Co, Almena, Ciudad Tjujill
250 bgs, National City Bank, Almena, San Pedro
1,500 bgs, Machado & Co, Almena, Sanchez
500 bgs, Curacao Trading Co, Almena, Sanchez
500 bgs, Almena, Sanchez
250 bgs, National City Bank, Almena, Puerto Plata
243 bgs, Porcella Vicini & Co, Almena, Puerto Plata
250 bgs, Curacao Trading Co, Almena, Puerto Plata
40 bgs, Mecke & Co, Caracas, Curacao
400 bgs, Machado & Co, Caracas, La Guaira
100 bgs, Lopez & Mangual, Caracas, Curacao
837 bgs, Fruit Despatch Co, Santa Marta, Havana
4,500 bgs, W R Grace & Co, Golden Sea, Bahia
5,000 bgs, Balfour, Guthrie & Co, Golden Sea, Bahia
1,000 bgs, Wesel, Kulenkampf & Co, Golden Sea, Bahia
1,000 bgs, W Barthelenew & Co, Golden Sea, Bahia
500 bgs, Santa Lucia, Guayaquil
250 bgs, Royal Bank of Canada, Fort Townshend, Grenada
300 bgs, Nieschlag & Co, Ingrid, Port Spain
500 bgs, Gordon Grant Co, Ingrid, Port Spain
2 bgs, W R Grace & Co, Ingrid, Port Spain
300 bgs, Curacao Trading Co, Ponce, Puerto Barrios
300 bgs, Carr Bros, Ponce, Puerto Barrios
COCONUTS—580 bgs, 58,000 lbs, General Foods Corp, Eastern Prince, Trinidad
114 bgs, 11,400 lbs, Lundt & Co, Almena, Sanchez
60 bgs, 6,900 lbs, Lundt & Co, Caracas, San Juan
50 bgs, 5,000 lbs, E Trucco, Emilia, Mayaguez
265 bgs, 26,500 lbs, J Simon & Co, Emilia, Mayaguez
83 bgs, 8,300 lbs, J Simon Co, Emilia, San Juan
477 bgs, 47,700 lbs, General Foods Corp, Emilia, San Juan
245 bgs, 24,500 lbs, Lundt & Co, Emilia, San Juan
417 bgs, 41,700 lbs, I L Toledano Corp, Emilia, San Juan
350 bgs, 35,000 lbs, General Foods Corp, Pastores, Cristobal
812 bgs, 81,200 lbs, Universal Import & Export Co, Pastores, Kingston
3,059 bgs, 305,900 lbs, General Foods Corp, Pastores, Kingston
918 bgs, 91,800 lbs, A N Leakway & Co, Pastores, Kingston
358 bgs, 35,800 lbs, Durkee Famous Foods, Fort Townshend, Trinidad
373 bgs, 37,300 lbs, Durkee Famous Foods, Fort Townshend, St Lucia
7 bgs, 700 lbs, F S Maynard & Son, Fort Townshend, St Lucia
1,350 bgs, 135,000 lbs, I L Toledano Corp, Guayaquil, Cristobal
108 bgs, 10,800 lbs, General Foods Corp, Ingrid, St Lucia
COLORS—5 bbls, Ernest W C Toepfer, Hamburg, Hamburg
51 cs, 51 bbls, 25 tubes, E I DuPont de Nemours Co, Washington, Hamburg
1 cs, National Carloading Corp, Washington, Havre
17 cks, C J Osborn & Co, Veendam, Rotterdam
2 cs, F L Kraemer & Co, Europa, Bremen
CADMIUM—1 bbl, Ernst W C Toepfer, Hamburg, Hamburg
EARTH—58 cks, Reichard-Coulston, Hamburg, Hamburg
3 cs, Charles Happel, Hamburg, Hamburg
75 cks, Smith Chemical & Color Co, Veendam, Rotterdam
COLUMBITE ORE—840 bgs, W H Sheath, Samaria, Liverpool
COPAIBA BALSAM—30 cs, Wessel, Duval & Co, Golden Sea, Manaos
CORK—25 bls, L Mundet & Son, Veendam, Rotterdam
SHAVING—667 bls, L Mundet & Sons, Veendam, Rotterdam
CRESOL—8 kegs, Monsanto Chemical Co, American Importer, Liverpool
CUBEBS—21 cs, Silversandal, Singapore
CUDBEAR—3 cks, Peek & Velsor, Samaria, Liverpool
CUTTLEFISH BONES—50 cs, 1,760 lbs, Frank Vliet Co, Sarcoxie, Bordeaux
DEXTRIN—100 bgs, American Cyanamid & Chemical Co, Spaarndam, Rotterdam
SUBST—100 bgs, Moringstar Nicol, Veendam, Rotterdam
DYES, ALIZARIN—11 jugs, 1 cs, 14 dms, 51 cks, General Dyestuff Corp, Spaarndam, Rotterdam
7 jugs, 8 dms, 43 cks, General Dyestuff Corp, Veendam, Rotterdam
7 cans, General Dyestuff Corp, Europa, Bremen
ANILIN—1 bbl, L & R Organic Prod Co, Pennland, Antwerp
2 cs, 71 dms, 233 dms, General Dyestuff Corp, Spaarndam, Rotterdam
13 cks, Geigy Co, Hamburg, Hamburg
14 dms, Sandoz Chem Works, Hamburg, Hamburg
2 cks, General Dyestuff Corp, Hamburg, Hamburg
29 kgs, 2 dms, Hamburg American Line, Bremerhaven
4 jugs, 42 dms, 107 cks, General Dyestuff Corp, Veendam, Rotterdam
2 cans, 49 kgs, Carbic Color & Chem Co, Europa, Bremen
20 dms, Sandoz Chem Works, Europa, Bremen
4 cs, 10 dms, 40 cks, General Dyestuff Corp, Europa, Bremen
1 dm, 3 cks, E I DuPont de Nemours Co, Samaria, Liverpool
EPHEDRA—45 bgs, Gravenhorst & Co, Norfolk, Tientsin
FAT, VEGETABLE—20 dms, Haug & Co, Washington, Hamburg
FERTILIZER, NITRATE PHOSPHATE—1,000 bgs, Synthetic Nitrogen Product Corp, Veendam, Rotterdam
FILTER, MASS—5 cs, R F Downing & Co, Hamburg, Hamburg
100 bbls, A W Fenton, Europa, Bremen
PAPER—1 cs, American Union Transport, Washington, Havre
1 cs, R F Downing & Co, Washington, Havre
FLAXSEED—6,400 tons, 256,000 bus, Bunge North American Grain Co, Velox, Rosario
3,048,000 kilos, 121,920 bus, Bunge North America Grain Co, Argentino, Buenos Aires
FLEASEED—20 bgs, L A Champon, Excambion, Marseilles
243 bgs, American Importer, Liverpool
FLORAL WATER—2 dms, Geo Silver Import Co, Excambion, Marseilles
FORMALDEHYDE SODA, HYDROSULPHITE —130 kgs, Philipp Bros, Samaria, Liverpool
GAMBIER—52 cs, L Littlejohn & Co, Silversandal, Singapore
160 bgs, American Cyanamid & Chem Co, Rhesus, Singapore
147 bgs, E E Androvette, Rhesus, Singapore
GELATIN—200 bgs, T M Duche & Sons, Pennland, Antwerp
79 bls, 10 bbls, International Selling Corp, Pennland, Antwerp
1 cs, G F Doherty Co, Washington, Havre
POWD—66 bgs, R D McLellan, Spaarndam, Rotterdam
SHEETS—25 cs, International Selling Corp, Pennland, Antwerp
GINGER ROOT—22 bgs, Otto Gerdau Co, Pastores, Kingston
GLASS, PLATE—26 cs, Pittsburgh Plate Glass Co, Emile Francqui, Antwerp
12 cs, L Solomon & Son, Emile Francqui, Antwerp
40 cs, Emile Francqui, Antwerp
4 cs, Ford Motor Co, Pennland, Antwerp
49 cs, Globe Shipping Co, Hamburg, Hamburg
6 cs, L Solomon & Son, Black Tern, Antwerp
2 cs, Semon, Bache & Co, Black Tern, Antwerp
3 cs, Charles Happel, Washington, Hamburg
GLASS, SHEET—132 cs, Emile Francqui, Antwerp
625 cs, Royal Glass Works, Emile Francqui, Antwerp
18 cs, Ford Motor Co, Pennland, Antwerp
WINDOW—425 cs, Nangatuck Glass Co, Emile Francqui, Antwerp
245 cs, S G Cole, Emile Francqui, Antwerp
7,360 cs, Emile Francqui, Antwerp
500 cs, S G Cole, Pennland, Antwerp
500 cs, National City Bank, Pennland, Antwerp
977 cs, Pennland, Antwerp
630 cs, Chase Natl Bank, Black Tern, Antwerp
1,610 cs, Sinaco Co, Black Tern, Antwerp
1,200 cs, S G Cole, Black Tern, Antwerp
27 cs, Semon, Bache & Co, Black Tern, Antwerp
5,616 cs, Vitrea Co, Washington, Hamburg
5 cs, S A Bendheim, Washington, Hamburg
5 cs, Semon, Bache & Co, Washington, Hamburg
GLUE—123 bgs, Pennland, Antwerp
100 bgs, National Adhesive Corp, Hamburg, Hamburg
14 bgs, G H Hemmel, Samaria, Liverpool
POWD—10 bls, Rex & Reynolds, Excambion, Marseilles
SHEETS—30 bls, Rex & Reynolds, Excambion, Marseilles
GLYCERIN—30 dms, Emile Francqui, Antwerp
20 dms, Pennland, Antwerp
39 dms, Armour & Co, Spaarndam, Rotterdam
49 dms, Garrigues, Stewart & Davies, Spaarndam, Rotterdam
50 dms, Hamburg, Hamburg
1 car, Colgate, Palmolive, Peet Co, Seatrain New York, Havana
30 dms, Champlain, Havre
9 dms, Samaria, Liverpool
GRAPHITE—313 bgs, Asbury Graphite Mills, Silversandal, Batavia
1,000 bgs, Silversandal, Batavia
333 bgs, National City Bank, Silversandal, Colombo
333 bgs, First Natl Bank, Silversandal, Colombo
552 bgs, Irving Trust Co, Silversandal, Colombo
500 bgs, J Dixon Crucible Co, Silversandal, Colombo
GREASE, WASTE—100 dms, Samaria, Liverpool
WOOL—27 dms, C Tennent Sons & Co, American Importer, Liverpool
GUM—40 bgs, Samaria, Liverpool
ARABIC—200 bgs, Hamburg, Hamburg
BENZOIN—1 cs, France, Campbell & Darling, Rhesus, Singapore
CAROB BEAN—50 bgs, T M Duche & Sons, Rex, Genoa
30 bgs, Stein, Hall & Co, Rex, Genoa
20 bgs, Rex, Genoa
CHICLE—996 bls, Mexican Exploitation Co, Yucatan, Vera Cruz
COPAL—160 bgs, O G Innes Corp, Emile Francqui, Antwerp
300 bgs, Gillespie, Rogers, Pyatt Co, Pennland, Antwerp
400 bgs, O G Innes Corp, Pennland, Antwerp
168 baskets, Manufacturers Trust Co, Silversandal, Macassar
246 baskets, Chase Natl Bank, Silversandal, Macassar
25 cs, Gillespie, Rogers, Pyatt Co, Silversandal, Singapore
70 bgs, Rhesus, Singapore
50 cs, 160 bgs, S Winterbourne & Co, Rhesus, Singapore
5 bbls, 72 bgs, Karr, Ellis & Co, Samaria, Liverpool
DAMMAR—150 cs, 630 bgs, O G Innes Corp, Silversandal, Singapore
75 cs, 210 bgs, Gillespie, Rogers, Pyatt Co, Silversandal, Singapore
420 bgs, Strook & Wittenberg, Silversandal, Singapore
100 cs, Gillespie, Rogers, Pyatt Co, Rhesus, Batavia
200 cs, O G Innes Corp, Rhesus, Batavia
350 bgs, American Cyanamid & Chem Co, Rhesus, Singapore
100 cs, 384 bgs, S Winterbourne & Co, Rhesus, Singapore
700 bgs, Strook & Wittenberg, Rhesus, Singapore
50 cs, France, Campbell & Darling, Rhesus, Singapore
70 bgs, O G Innes Corp, Rhesus, Singapore
50 cs, Rhesus, Singapore
KAURI—22 cs, 2 tons, 16 cwt, 3 qtrs, 15 lbs, Van Oppen & Co, Australind, Auckland
20 cs, 2 tons, 10 cwt, J Meyer & Son, Australind, Auckland
50 cs, 6 tons, 17 cwt, 2 qtrs, American Cyanamid & Chem Co, Australind, Auckland
20 cs, 2 tons, 10 cwt, 2 qtrs, 4 lbs, G W S Patterson & Co, Australind, Auckland
5 cs, 12 cwt, 3 qtrs, 7 lbs, France, Campbell & Darling, Australind, Auckland
30 cs, 4 tons, 2 cwt, 20 qtrs, S Winterbourne & Co, Australind, Auckland
355 cs, 82 bgs, 48 tons, 1 cwt, Strook & Wittenberg, Australind, Auckland
80 bgs, 5 tons, 3 cwt, 3 qtrs, Australind, Auckland
MASTIC—10 cs, Excambion, Piraeus
TRAGACANTH—8 cs, G Gulbenkian, Excambion, Piraeus
10 cs, M J Caponya, Excambion, Marseilles
25 cs, Excambion, Marseilles
4 cs, Excambion, Marseilles
YACCA—150 bgs, Wiegand, Adelaide
GYPSUM — 100 bgs, Whittaker, Clark & Daniels, American Importer, Liverpool
204 bgs, L A Salomon & Bros, American Importer, Liverpool
HERBS, MEDICINAL—4 bls, 2 cs, Gambarelli & Davitto, Rex, Genoa
8 bls, 1,276 lbs, Hamburg, Hamburg
24 bls, 6,600 lbs, Hamburg, Hamburg
HOPS—5 bls, P H Petry & Co, Pennland, Antwerp
10 bls, Black Diamond S S Co, Spaarndam, Rotterdam
9 bls, Gerhard & Hey, Hamburg, Hamburg
6 cs, 1 bl, P H Petry & Co, Hamburg, Hamburg
30 bls, Globe Shipping Co, Hamburg, Hamburg
40 bls, Bode & Voigt, Hamburg, Hamburg
76 bls, Atlantic Forwarding Co, Hamburg, Hamburg
60 bls, American Express Co, Hamburg, Hamburg
41 bls, 7 ballots, Hamburg, Hamburg
20 bls, J D Smith Co, Hamburg, Hamburg
75 bls, P H Petry & Co, Hamburg, Hamburg
90 bls, S S Steiner, Hamburg, Hamburg
8 cs, 29 bls, J Sonnenschein Hop Co, Washington, Hamburg

Scientific and Professional Services

Alexander, Jerome
Consulting Chemist and Chemical Engineer
Especial experience in colloid chemistry and its applications. Representation for Patents, Processes, Products and Apparatus. Research Advice, Investigations, Expert Testimony.
80 East 41st Street New York City
Member:—Association of Consulting Chemists and Chemical Engineers

Chemical Engineers—
Representation on this page would result in inquiries and business. We have a special rate for professional cards. May we quote it to you?
Oil, Paint and Drug Reporter 12 Gold Street, New York, N. Y.

Charles H. LaWall Joseph W. H. Harrisson
LAWALL AND HARRISSON
Analytical and Consulting Chemists
Pharmaceutical and Chemical Research. Process and Formula Development. Food, Drug and Water Analyses. Legal Testimony.
214 So. 12th Street, Philadelphia, Pa.

Pease Laboratories, Inc.
CHEMISTS SANITARIANS BACTERIOLOGISTS
ANALYSTS SCIENTIFIC LIBRARY SERVICE
MEDICAL ADVERTISING AND TECHNICAL CONSULTANTS
39 West 38th Street . . . . . New York

Est. 1865
W. S. Purdy Co., Inc.
ANALYTICAL AND CONSULTING CHEMISTS
Petroleum Oils, Waxes, Greases, Soaps, Fuel Oils, Coal
Phone Hanover 2-3772
128 Water Street New York City, N. Y.

Sadtler, Samuel P., & Son, Inc.
Research and Analytical Chemists
CHEMICAL ENGINEERS
Patent and Legal Testimony
210 South 13th Street.....Philadelphia, Pa.
"Nothing Pays Like Research"

Bureau of Chemistry
New York Produce Exchange
H. B. Trevithick, Ph. B., B. S.
2 Broadway New York
Cottonseed Oil, Oils, Greases, Soaps, Turpentine, Glycerine, Cattle Foods, Spices, Chemicals, etc.
Consultation—Research.

ANTI-KNOCK VALUE DETERMINATIONS
The Gray Industrial Laboratories
Chemists and Engineers
Specialists on Petroleum Products
961-979 Frelinghuysen Ave., Newark, N. J.
Telephone: Bigelow 3-4939

Hochstadter Laboratories, Inc.
Chemical Analyses, Consultants, Technical Experts, Investigations, Litigation.
Coals, Oils, Water, Foodstuffs, Gelatine, Beverages, Dairy Products, Confectionery, Drugs, Minerals, Textile Materials, etc.
Phone LOngacre 5-5360/5361.
334 West 31st Street New York

DRAWBACK SPECIALISTS
We specialize in the collection of drawback refunds of duty or tax paid on materials used in the manufacture of products for export.
C. J. Holt & Co., Inc.
8-10 Bridge Street New York, N. Y.
Phone BOwling Green 9-6841

Knight, B. H.
Analytical and Consulting Chemist
80 East 41st Street New York
OFFICIAL ANALYST
U. S. Shellac Importers Assoc.
Am. Bleached Shellac Mfrs. Assoc.
American Gum Importers Assoc.

Laning Company, E. M., Inc.
Consulting Chemists
Specializing in Perfume, Toilet Preparations, Pharmaceuticals and Flavors Exclusively. Formulae Perfected. Problems Solved. Plants Equipped.
433 Stuyvesant Ave. Irvington N. J.
Phone Terrace 3-3626.
E. M. Laning, B. Sc., President.
Robert C. Pursell, Phar. D., V-Pres.

Miel, George A.
Analytical & Consulting Chemists
Specializing in the:
Physical and Chemical Analysis of Paints, Varnishes, Shellacs, and materials of the Paint Industry. Consultation on Formulation and Processing of Paints, Varnishes and Shellacs.
128 Water Street HA 2-8068

Orthmann Laboratories, Inc.
AUG. C. ORTHMANN, Director
Specialists in Leather and Allied Industries.
Consulting Analytical and Research
647 W. Virginia Street, Milwaukee, Wis.

Pacific Food & Drug Laboratories, Inc.
Specializing in
VITAMIN ASSAYS
and development work
Pacific Beach, California

INDUSTRIAL MICROSCOPY
Largest and most completely equipped laboratory of its kind.
VISUAL PROOF for modern advertising and testimony.
Optical and Mechanical Engineering.
HENRY ROGER
Sandy Hook, Conn. Phone: Newtown 65-3
(Formerly with Rockefeller Institute)

Schwarz Laboratories, Inc.
Analysts — Biologists — Consultants
BEVERAGES, EDIBLE OILS
ESSENTIAL OILS, FOODS, WATER
202 East 44th Street New York, N.Y.
Murray Hill 2-0007

Seil, Putt & Rusby, Inc.
H. A. Seil, Ph. D., Earl B. Putt, Ph. C., B. Sc.
SPR
Analytical and Consulting Chemists
Drugs, Spices, Essential Oils, Flavoring Extracts, Foods, Beverages.
Phone Ashland 4-4343.
18 East 34th St. New York City

Snell, Inc., Foster D.
Chemists—Engineers
Every form of chemical service.
305 Washington St. Brooklyn, N. Y.
215 N. Calvert St. Baltimore, Md.

Stillwell & Gladding Established 1868
Analytical and Consulting Chemists
Oils, Soaps, Fats, Paints, Varnishes, Drugs, Gums, Foods, Glycerine, Turpentine, Waxes, Spices, etc.
Member Association Consulting Chemists and Chemical Engineers
130 Cedar Street New York

Vorce, L. D.
Chemical Engineer
Electrolytic Cells
Chlorine, Caustic, Hydrogen.
20 Norman Road Montclair, N. J.
Telephone 3-4516

Wiley & Co., Inc.
Analytical and Consulting Chemists
Specializing on analysis of beverages, fertilizers, phosphates, wood pulp, coal and coke, feeding materials, etc.
Calvert and Read Streets, Baltimore, Md.

DuPont Nets $83,557,470 For 1936, High Record

E. I. du Pont de Nemours & Co. earned $7.56 a share in 1936 on the outstanding 11,049,470 common shares. This compared with $5.04 a share on 11,050,399 common shares outstanding in 1935. The 1936 earnings of $83,557,740 applicable to the common stock was the highest reported since 1929, when $78,171,730 was earned. Consolidated net income amounted to $89,884,449, equal to 13.7 times the debenture stock dividend for the year, compared with $62,085,410 for 1935. The company's surplus at the end of 1936 was $226,236,595, against $196,312,228 at the close of 1935.

The volume of business of the company and its wholly owned subsidiaries amounted to approximately $260,300,000 for 1936, an increase of about 18 percent over 1935. Income from operations was $52,965,490, compared with $40,716,924 in 1935. Income from investments shows $44,004,389 from investment in General Motors common stock, as compared with $22,497,720 from the same source in 1935. Holdings in General Motors common stock amounts to 10,000,000 shares, which was listed in the assets at $17.60 a share.

The ratio of current assets to current liabilities is 4.8 to one. The current assets include $65,844,573 in cash; $9,970,783 in marketable securities; $26,036,926, accounts and notes receivable, trade (less reserve for doubtful accounts and notes, cash discounts, etc., $1,330,190); $50,547,571, inventories at or below cost; and $2,830,095, miscellaneous accounts receivable, advances, etc.

Approximately $31,000,000 was expended in extending and modernizing the company's manufacturing facilities. About $18,700,000 of this amount provided additional capacity for some of the older processes and for facilities for initial operation of new processes, and approximately $12,300,000 for renewal and modernization of equipment and facilities used in existing processes. The additional facilities provided were principally for the manufacture of ammonia and alcohols at Belle, W. Va.; dyestuffs, camphor and other organic chemicals at Deepwater Point, N. J.; rayon yarn and "Cellophane" cellulose film at Buffalo, N. Y.; Old Hickory, Tenn.; Richmond, Va., and Waynesboro, Va. Construction of a plant for additional capacity for the manufacture of tetra-ethyl lead was begun at Baton Rouge, La.

Arrangements are being made to transfer the administrative organizations of the Grasselli chemicals department; the office building division, formerly the Du Pont Building Corporation; the "Cellophane" division of the rayon department, formerly the Du-pont Cellophane Company; the rayon division of the rayon department, formerly the Du Pont Rayon Company; the Plastic department, formerly the Du-pont Viscoloid Company, to Wilmington. It is expected that by June, 1937, all of the company's general offices will be located in Wilmington, partly in the Du Pont building and partly in the Nemours building, the latter a modern, completely air-conditioned office building now nearing completion.

Toovey Joins Staff of Pennsylvania Salt Co.

Thomas W. Toovey has joined the staff of the Pennsylvania Salt Manufacturing Company, one of the principal producers of liquid chlorine in the United States. He has just returned to America after an extended trip through Norway, Sweden and Finland, where he visited pulp and paper mills.

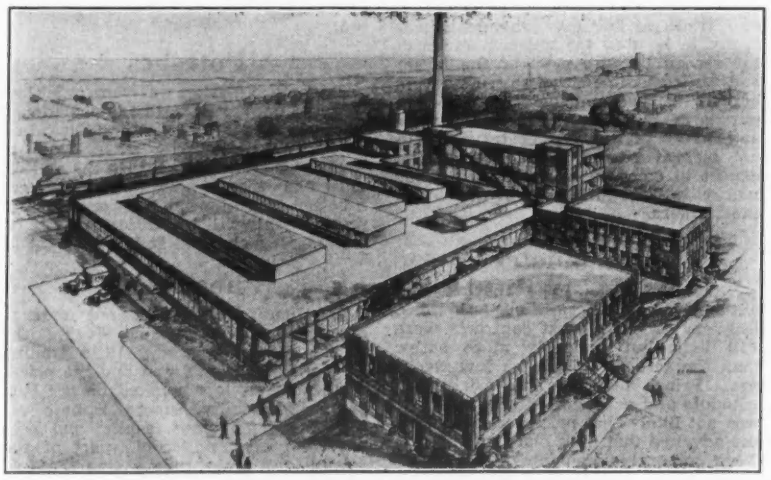
T. W. Toovey

Mr. Toovey first entered the pulp and paper field in 1923. Five years were devoted to work with the Canada International Pulp & Paper Company, Hawkesbury, Ontario, where he was a member of the research department under Professor Dr. Heuser. The following six years he was employed by the British Columbia Pulp & Paper Company, Port Alice, Vancouver, where most of his time was occupied with mill work and plant problems and gathering first-hand general plant experience. During the last two and one-half years, Mr. Toovey was in the research and bleaching departments of the Harmanec Pulp Mills, at Harmanec, u.Banske Bystrice, Czechoslovakia. He worked under Dr. Ladd Rys, the bleaching expert known throughout the world.

Mr. Toovey is a chemical engineer and member of the Engineering Institute of Canada. His Canadian, American, and more recently, his wide European experience has admirably equipped him to assist the Pennsylvania Salt Manufacturing Company in handling pulp bleaching problems and their relation to the use and application of liquid chlorine. Mr. Toovey has been assigned to the chlorine sales division and will be located at the Philadelphia executive offices of the company.

Merrell Co. New Plant Nearing Completion

Construction on the new plant of the William S. Merrell Company, pharmaceutical manufacturer, on Amity road at the Pennsylvania railroad tracks near Reading, a suburb of Cincinnati, is rapidly approaching completion. The plant, pictured herewith, completely



equipped, is to cost approximately $800,000.

Sale of the company's old factory buildings and property at Fifth, Pike and Butler streets to the City of Cincinnati for the Columbia avenue viaduct made removal to a new site necessary.

The new laboratory buildings and warehouse ranging from one to three stories in height and a two-story office building will be of steel, brick and concrete construction. Modern equipment will be installed in all departments.

The Merrell Company recently completed its 108th year in business under the continuous management of the direct descendants of the founder, Dr. William S. Merrell. Executives of the company are:—President, Charles G. Merrell; vice-president and general manager, Thurston Merrell; secretary-treasurer, Lee Wiltsee; assistant treasurer, E. A. Joering; sales manager, Walter G. Hodge; advertising manager, Donald Merrell; export manager, T. A. Gatchell; scientific director, Dr. T. H. Rider, and production manager, W. A. Smith.

Paint and Oil Club of New England, at its meeting February 11, listened to Fred J. Wallace, a deep-sea diver, tell of his adventures "Twenty Fathoms Down." The meeting was in the Parker House and was preceded by a social gathering and dinner.

Shipping Information

All matter under this head fully protected by copyright

Imports at U.S. Ports

New York Imports

ACID, ADIPIC—145 bbls, E I Du Pont de Nemours Co, Washington, Hamburg
CRESYLIC—50 dms, American Cyanamid & Chem Co, American Importer, Manchester
200 dms, Black Tern, Antwerp
22 dms, American Cyanamid & Chem Co, American Importer, Liverpool
47 dms, Monsanto Chem Co, American Importer, Liverpool
100 dms, White Tar Co, Samaria, Liverpool
FATTY—20 bgs, E I Du Pont de Nemours & Co, Washington, Hamburg
NAPHTHENIC—90 dms, 38,154 lbs, Hamburg, Hamburg
5 dms, Shell Oil Co of Canada, Hamburg, Hamburg
SOYBEAN OIL—256 bbls, J H Kedding Co, Black Tern, Rotterdam
TARTARIC—180 cks, Leghorn Trading Co, Excambion, Genoa
VEGETABLE—47 bbls, Pennland, Antwerp

ADEPS LANAE—100 dms, C Tennant Sons & Co, American Importer, Liverpool

ALBUMEN, EGG, HEN—56 bbls, Joe Lowe Corp, Norfolk, Tientsin
56 cs, Stein, Hall & Co, Norfolk, Shanghai
56 cs, Importers Com Co, Norfolk, Shanghai
56 cs, T M Duche & Sons, Norfolk, Shanghai
112 cs, D L Moss & Co, Norfolk, Shanghai

ALOE—150 cs, Caracas, Aruba

ALUMINUM LEAF—145 cs, F P Garkell & Co, Pennland, Antwerp

AMMONIA, SULPHATE—850 bgs, Bradley & Baker, Veendam, Rotterdam

ANISE—11 bgs, Excambion, Piraeus
STAR—130 bgs, E E Marks & Co, Excambion, Marseilles
52 bgs, American Express Co, Excambion, Marseilles
84 bgs, Excambion, Marseilles

ANNATTO SEED—200 bgs, J A Manton, Pastores, Kingston

ANTIMONY ORE—700 bgs, Philipp Bros, Marna, Arica
500 bgs, Watson, Geach & Co, Yucatan, Vera Cruz
360 bgs, Philipp Bros, Santa Lucia, Arica

ARTISTS MATERIAL—4 cs, Gallagher & Ascher, Black Tern, Rotterdam

ASPHALT—346 bgs, A V Berner & Co, Seatrain New York, Havana

BABASSU KERNELS—12,916 bgs, General Foods Corp, Golden Sea, Parnahyba
4,167 bgs, Pacific Nut Oil Co, Golden Sea, Maranham

BARIUM CHLORATE—60 kgs, 7,436 lbs, International Selling Corp, Pipestone County, Havre
HYDROXIDE—1 ck, Merck & Co, Spaarndam, Rotterdam

BARK, MEDICINAL—21 bls, Cohen & Co, Munargo, Havana

BARYTES—1 car, P E Shundler Co, Seatrain New Orleans, Havana

BAUXITE ORE—1,920 tons, Aluminum Union, Ltd, Ingrid, Georgetown

BAY RUM—24 dms, Bornn Distilling Co, Fort Townshend, St Thomas

BLACK—20 cks, 12,056 lbs, Reichard Coulston, Black Tern, Rotterdam
PRINTING—26 cks, General Aniline Works, Europa, Bremen

BLANC FIXE—10 cks, Philipp Bros, Spaarndam, Rotterdam

BONE MEAL—2,000 bgs, Swift & Co, Eastern Prince, Buenos Aires
340 bgs, R H Scott & Sons, Black Tern, Antwerp

BRISTLES—1 cs, Guaranty Trust Co, Hamburg, Hamburg
5 cs, F H Cone & Co, Pipestone County, Havre
9 cs, Bank of London South America, Rhesus, Hongkong
3 cs, H Rosenhirsch & Co, Rhesus, Hongkong
50 cs, Chesnut Cooper & Co, Norfolk, Tientsin
50 cs, F H Cone & Co, Norfolk, Taku Bar

BRONZE POWDER—12 cs, J J Coates, Hamburg, Hamburg

CARAWAY SEED—100 bgs, 11,000 lbs, R L Friedler, Spaarndam, Rotterdam
100 bgs, 11,000 lbs, Black Tern, Rotterdam
100 bgs, 11,000 lbs, R L Friedler, Black Tern, Rotterdam
100 bgs, 22,000 lbs, R L Friedler, Veendam, Rotterdam
200 bgs, 11,000 lbs, C M Van Sillevoldt, Haukefjell, Rotterdam
300 bgs, 33,000 lbs, Catz American Co, Haukefjell, Rotterdam
150 bgs, 16,700 lbs, I A Grob & Co, Haukefjell, Rotterdam
100 bgs, 11,000 lbs, Otto Gerdau Co, Haukefjell, Rotterdam
100 bgs, 11,000 lbs, Levy & Levis Co, Haukfjell, Rotterdam
100 bgs, 11,000 lbs, Pepper Product Co, Haukefjell, Rotterdam
150 bgs, 16,500 lbs, Western Brokerage Co, Haukefjell, Rotterdam
200 bgs, 22,000 lbs, Knickerbocker Mills Co, Haukefjell, Rotterdam

CARBON DECOLORIZING—375 bgs, Spaarndam, Rotterdam
5 dms, L A Solomon & Bro, Veendam, Rotterdam

CARDAMON—4 cs, W E Martin, Platano, Livingston

CAROB BEAN FLOUR—20 bgs, Excambion, Marseilles

CASEIN—834 bgs, American British Chem Supplies, Eastern Prince, Buenos Aires
250 bgs, A Hurst & Co, Eastern Prince, Buenos Aires
1,003 bgs, American Cyanamid & Chem Co, Eastern Prince, Buenos Aires
134 bgs, D C Andrews & Co, Hamburg, Hamburg
2,000 bgs, Jungmann & Co, Wiegand, Melbourne
400 bgs, Veendam, Rotterdam

CASTOR BEANS—1,700 bgs, L Dreyfus & Co, Golden Sea, Pernambuco
5,100 bgs, Baker Castor Oil Co, Golden Sea, Pernambuco
1,685 bgs, Golden Sea, Fortaleza
11,820 bgs, Baker Castor Oil, Golden Sea, Bahia
1,694 bgs, Golden Sea, Bahia

CELERY SEED—20 bgs, Joensson Import Co, Excambion, Marseilles
88 bgs, American Importer, Liverpool

CHALK—200 bgs, 22,000 lbs, Whittaker, Clark & Daniels, Hamburg, Hamburg
BLOCK—488,000 kilos, Taintor Trading Co, Sarcoxie, Dunkirk

CHALK, PRECIPITATED—375 bgs, 33,000 lbs, Van Oppen & Co, Pipestone County, Dunkirk
50 bbls, H J Baker & Bros, Samaria, Liverpool

CHAMOIS—4 cs, American Sponge & Chamois Co, Washington, Havre
1 cs, Chase Nat'l Bank, Washington, Havre

CHEMICALS—126 cks, 1 cs, African Metals Corp, Emile Francqui, Antwerp
10 bbls, Emile Francqui, Antwerp
1,597 bgs, Advance Solvents & Chem Co, Pennland, Antwerp
65 cks, 2 dms, Advance Solvents & Chem Co, Spaarndam, Rotterdam
40 dms, General Aniline Works, Spaarndam, Rotterdam
3 dms, 5 cs, Michel Export Co, Spaarndam, Rotterdam
2,120 dms, National Carloading Co, Spaarndam, Rotterdam
30 dms, G Uhe Co, Spaarndam, Rotterdam
9 cs, Merck & Co, Spaarndam, Rotterdam
6 cks, Jungmann & Co, Spaarndam, Rotterdam
10 dms, Hummel Chem Co, Hamburg, Hamburg
14 cks, Advance Solvents & Chem Co, Hamburg, Hamburg
100 cks, 25 carboys, Jungmann & Co, Hamburg, Hamburg
1 cs, 1 bbl, P C Kuyper & Co, Hamburg, Hamburg
100 bgs, Innis, Speiden & Co, Hamburg, Hamburg
45 cs, Schimmel & Co, Hamburg, Hamburg
110 carboys, 3 cs, Hamburg, Hamburg
7 cs, Byk, Inc, Hamburg, Hamburg
2 cks, Fezandie & Sperrle, Hamburg, Hamburg
5 cs, Schenker & Co, Hamburg, Hamburg
1 cs, Lo Curto & Funk, Hamburg, Hamburg
4 cs, Ernest Bischoff, Hamburg, Hamburg
10 cks, Wm Neuberg, Hamburg, Hamburg
6 cs, 251 bgs, Innis, Speiden & Co, Hamburg, Hamburg
81 dms, 20 bbls, African Metals Corp, Black Tern, Antwerp
8 cks, Philip Bauer Co, Black Tern, Rotterdam
25 cs, Black Tern, Rotterdam
30 cks, Royal Bank of Canada, Black Tern, Rotterdam
3 bbls, L H Lang-G Van Gelder, Black Tern, Rotterdam
6 cs, H W Robinson, Washington, Havre
14 dms, Michel Export Co, Veendam, Rotterdam
125 cks, 445 bgs, 104 dms, Advance Solvents & Chem Co, Veendam, Rotterdam
6 cks, 12 dms, General Dyestuff Corp, Veendam, Rotterdam
50 dms, American Cyanamid & Chem Co, Veendam, Rotterdam
100 cks, Jungmann & Co, Veendam, Rotterdam
2 cks, 7 carboys, Merck & Co, Veendam, Rotterdam
7 bbls, Veendam, Rotterdam
3 cs, A Maschmeyer, Veendam, Rotterdam
12 dms, Sandoz Chem Works, Europa, Bremen
9 cks, General Aniline Works, Europa, Bremen

CHILLIES—242 bgs, Hamburg, Hamburg

CHINA CLAY—448 bgs, Orbis Product Corp, Samaria, Liverpool

CHROME METAL—50 dms, Driver Harris Co, American Importer, Manchester

CINCHONA BARK—90 bls, New York Quinine & Chem Works, Veendam, Rotterdam
PRODUCTS—86 cs, R W Greeff & Co, Spaarndam, Rotterdam
100 dms, R W Greeff & Co, Veendam, Rotterdam

CINNAMON—50 bls, Silversandal, Colombo

CLAY—401 bgs, Spaarndam, Rotterdam
50 bgs, W Manley, Washington, Hamburg

COALDUST—50 dms, Veendam, Rotterdam

COALTAR DERIVATIVE — 14 cks, General Aniline Works, Veendam, Rotterdam
INTERMEDIATES—72 cks, General Aniline Works, Spaarndam, Rotterdam
1 dm, 22 cks, 20 bottles, General Dyestuff Corp, Spaarndam, Rotterdam
1 ck, Geigy Co, Hamburg, Hamburg
1 cs, General Dyestuff Corp, Hamburg, Hamburg
6 cks, General Aniline Works, Veendam, Rotterdam
13 cks, 10 cs, 105 dms, General Dyestuff Corp, Veendam, Rotterdam
7 dms, Sandoz Chem Works, Europa, Bremen
10 dms, General Dyestuff Corp, Europa, Bremen
18 cks, General Aniline Works, Europa, Bremen

COBALT METAL—100 cks, Central Trading Corp, Emile Francqui, Antwerp
OXIDE—20 cks, Central Trading Comp, Emile Francqui, Antwerp
SULPHATE—30 cks, Central Trading Corp, Emile Francqui, Antwerp

COCOA BEANS—300 bgs, Gatun, Ceiba
150 bgs, W R Grace & Co, Eastern Prince, Trinidad
909 bgs, Wessel, Kulenkampf & Co, Almena, Ciudad Tjujill
250 bgs, National City Bank, Almena, San Pedro
1,500 bgs, Machado & Co, Almena, Sanchez
500 bgs, Curacao Trading Co, Almena, Sanchez
500 bgs, Almena, Sanchez
250 bgs, National City Bank, Almena, Puerto Plata
245 bgs, Porcella Vicini & Co, Almena, Puerto Plata
250 bgs, Curacao Trading Co, Almena, Puerto Plata
40 bgs, Mecke & Co, Caracas, Curacao
400 bgs, Machado & Co, Caracas, La Guaira
100 bgs, Lopez & Mangual, Caracas, Curacao
837 bgs, Fruit Despatch Co, Santa Marta, Havana
4,500 bgs, W R Grace & Co, Golden Sea, Bahia
5,000 bgs, Balfour, Guthrie & Co, Golden Sea, Bahia
1,000 bgs, Wesel, Kulenkampf & Co, Golden Sea, Bahia
1,000 bgs, W Barthelenew & Co, Golden Sea, Bahia
500 bgs, Santa Lucia, Guayaquil
250 bgs, Royal Bank of Canada, Fort Townshend, Grenada
300 bgs, Nieschlag & Co, Ingrid, Port Spain
500 bgs, Gordon Grant Co, Ingrid, Port Spain
2 bgs, W R Grace & Co, Ingrid, Port Spain
300 bgs, Curacao Trading Co, Ponce, Puerto Barrios
300 bgs, Carr Bros, Ponce, Puerto Barrios

COCONUTS—580 bgs, 58,000 lbs, General Foods Corp, Eastern Prince, Trinidad
114 bgs, 11,400 lbs, Lundt & Co, Almena, Sanchez
69 bgs, 6,900 lbs, Lundt & Co, Caracas, San Juan
50 bgs, 5,000 lbs, E Trucco, Emilia, Mayaguez
265 bgs, 26,500 lbs, J Simon & Co, Emilia, Mayaguez
83 bgs, 8,300 lbs, J Simon Co, Emilia, San Juan
477 bgs, 47,700 lbs, General Foods Corp, Emilia, San Juan
245 bgs, 24,500 lbs, Lundt & Co, Emilia, San Juan
417 bgs, 41,700 lbs, I L Toledano Corp, Emilia, San Juan
350 bgs, 35,000 lbs, General Foods Corp, Pastores, Cristobal
812 bgs, 81,200 lbs, Universal Import & Export Co, Pastores, Kingston
3,059 bgs, 305,900 lbs, General Foods Corp, Pastores, Kingston
918 bgs, 91,800 lbs, A N Leakway & Co, Pastores, Kingston
358 bgs, 35,800 lbs, Durkee Famous Foods, Fort Townshend, Trinidad
373 bgs, 37,300 lbs, Durkee Famous Foods, Fort Townshend, St Lucia
7 bgs, 700 lbs, F S Maynard & Son, Fort Townshend, St Lucia
1,350 bgs, 135,000 lbs, I L Toledano Corp, Guayaquil, Cristobal
108 bgs, 10,800 lbs, General Foods Corp, Ingrid, St Lucia

COLORS—5 bbls, Ernest W C Toepfer, Hamburg, Hamburg
51 cs, 51 bbls, 25 tubes, E I DuPont de Nemours Co, Washington, Hamburg
1 cs, National Carloading Corp, Washington, Havre
17 cks, C J Osborn & Co, Veendam, Rotterdam
2 cs, F L Kraemer & Co, Europa, Bremen

CADMIUM—1 bbl, Ernst W C Toepfer, Hamburg, Hamburg

EARTH—58 cks, Reichard-Coulston, Hamburg, Hamburg
3 cs, Charles Happel, Hamburg, Hamburg
75 cks, Smith Chemical & Color Co, Veendam, Rotterdam

COLUMBITE ORE—840 bgs, W H Sneath, Samaria, Liverpool

COPAIBA BALSAM—30 cs, Wessel, Duval & Co, Golden Sea, Manaos

CORK—25 bls, L Mundet & Son, Veendam, Rotterdam
SHAVING—667 bls, L Mundet & Sons, Veendam, Rotterdam

CRESOL—8 kegs, Monsanto Chemical Co, American Importer, Liverpool

CUBEBS—21 cs, Silversandal, Singapore

CUDBEAR—3 cks, Peek & Velsor, Samaria, Liverpool

CUTTLEFISH BONES—30 cs, 1,760 lbs, Frank Vliet Co, Sarcoxie, Bordeaux

DEXTRIN—100 bgs, American Cyanamid & Chemical Co, Spaarndam, Rotterdam
SUBST—100 bgs, Moringstar Nicol, Veendam, Rotterdam

DYES, ALIZARIN—11 jugs, 1 cs, 14 dms, 51 cks, General Dyestuff Corp, Spaarndam, Rotterdam
7 jugs, 8 dms, 43 cks, General Dyestuff Corp, Veendam, Rotterdam
7 cans, General Dyestuff Corp, Europa, Bremen

ANILIN—1 bbl, L & R Organic Prod Co, Pennland, Antwerp
2 cs, 71 dms, 233 dms, General Dyestuff Corp, Spaarndam, Rotterdam
13 cks, Geigy Co, Hamburg, Hamburg
14 dms, Sandoz Chem Works, Hamburg, Hamburg
2 cks, General Dyestuff Corp, Hamburg, Hamburg
20 kgs, 2 dms, Hamburg American Line, Bremerhaven
4 jugs, 42 dms, 107 cks, General Dyestuff Corp, Veendam, Rotterdam
2 cans, 49 kgs, Carbic Color & Chem Co, Europa, Bremen
20 dms, Sandoz Chem Works, Europa, Bremen
4 cs, 10 dms, 40 cks, General Dyestuff Corp, Europa, Bremen
1 dm, 3 cks, E I DuPont de Nemours Co, Samaria, Liverpool

EPHEDRA—45 bgs, Gravenhorst & Co, Norfolk, Tientsin

FAT, VEGETABLE—20 dms, Haug & Co, Washington, Hamburg

FERTILIZER, NITRATE PHOSPHATE—1,000 bgs, Synthetic Nitrogen Product Corp, Veendam, Rotterdam

FILTER, MASS—5 cs, R F Downing & Co, Hamburg, Hamburg
100 bbls, A W Fenton, Europa, Bremen

PAPER—1 cs, American Union Transport, Washington, Havre
1 cs, R F Downing & Co, Washington, Havre

FLAXSEED—6,400 tons, 256,000 bus, Bunge North American Grain Co, Velox, Rosario
3,048,000 kilos, 121,920 bus, Bunge North America Grain Co, Argentino, Buenos Aires

FLEASEED—20 bgs, L A Champon, Excambion, Marseilles
243 bgs, American Importer, Liverpool

FLORAL WATER—2 dms, Geo Silver Import Co, Excambion, Marseilles

FORMALDEHYDE SODA, HYDROSULPHITE—100 kgs, Philipp Bros, Samaria, Liverpool

GAMBIER—52 cs, L Littlejohn & Co, Silversandal, Singapore
160 bgs, American Cyanamid & Chem Co, Rhesus, Singapore
147 bgs, E E Androvette, Rhesus, Singapore

GELATIN—200 bgs, T M Duche & Sons, Pennland, Antwerp
79 bls, 10 bbls, International Selling Corp, Pennland, Antwerp
1 cs, G F Doherty Co, Washington, Havre

POWD—66 bgs, R D McLellan, Spaarndam, Rotterdam
SHEETS—25 cs, International Selling Corp, Pennland, Antwerp

GINGER ROOT—22 bgs, Otto Gerdau Co, Pastores, Kingston

GLASS, PLATE—26 cs, Pittsburgh Plate Glass Co, Emile Francqui, Antwerp
12 cs, L Solomon & Son, Emile Francqui, Antwerp
40 cs, Emile Francqui, Antwerp
4 cs, Ford Motor Co, Pennland, Antwerp
49 cs, Globe Shipping Co, Hamburg, Hamburg
6 cs, L Solomon & Son, Black Tern, Antwerp
2 cs, Semon, Bache & Co, Black Tern, Antwerp
3 cs, Charles Happel, Washington, Hamburg

GLASS, SHEET—132 cs, Emile Francqui, Antwerp
625 cs, Royal Glass Works, Emile Francqui, Antwerp
18 cs, Ford Motor Co, Pennland, Antwerp

WINDOW—425 cs, Nangatuck Glass Co, Emile Francqui, Antwerp
245 cs, S G Cole, Emile Francqui, Antwerp
7,360 cs, Emile Francqui, Antwerp
500 cs, S G Cole, Pennland, Antwerp
500 cs, National City Bank, Pennland, Antwerp
977 cs, Pennland, Antwerp
630 cs, Chase Natl Bank, Black Tern, Antwerp
1,610 cs, Sinaco Co, Black Tern, Antwerp
1,200 cs, S G Cole, Black Tern, Antwerp
27 cs, Semon, Bache & Co, Black Tern, Antwerp
5,616 cs, Vitrea Co, Washington, Hamburg
5 cs, S A Bendheim, Washington, Hamburg
5 cs, Semon, Bache & Co, Washington, Hamburg

GLUE—123 bgs, Pennland, Antwerp
100 bgs, National Adhesive Corp, Hamburg, Hamburg
14 bgs, G H Hemmel, Samaria, Liverpool

POWD—10 bls, Rex & Reynolds, Excambion, Marseilles
SHEETS—30 bls, Rex & Reynolds, Excambion, Marseilles

GLYCERIN—30 dms, Emile Francqui, Antwerp
20 dms, Pennland, Antwerp
39 dms, Armour & Co, Spaarndam, Rotterdam
49 dms, Garrigues, Stewart & Davies, Spaarndam, Rotterdam
50 dms, Hamburg, Hamburg
1 car, Colgate, Palmolive, Peet Co, Seatrain New York, Havana
30 dms, Champlain, Havre
9 dms, Samaria, Liverpool

GRAPHITE—313 bgs, Asbury Graphite Mills, Silversandal, Batavia
1,000 bgs, Silversandal, Batavia
333 bgs, National City Bank, Silversandal, Colombo
333 bgs, First Natl Bank, Silversandal, Colombo
552 bgs, Irving Trust Co, Silversandal, Colombo
500 bgs, J Dixon Crucible Co, Silversandal, Colombo

GREASE, WASTE—100 dms, Samaria, Liverpool
WOOL—27 dms, C Tennent Sons & Co, American Importer, Liverpool

GUM—40 bgs, Samaria, Liverpool
ARABIC—200 bgs, Hamburg, Hamburg
BENZOIN—1 cs, France, Campbell & Darling, Rhesus, Singapore
CAROB BEAN—50 bgs, T M Duche & Sons, Rex, Genoa
30 bgs, Stein, Hall & Co, Rex, Genoa
20 bgs, Rex, Genoa
CHICLE—996 bls, Mexican Exploitation Co, Yucatan, Vera Cruz
COPAL—160 bgs, O G Innes Corp, Emile Francqui, Antwerp
300 bgs, Gillespie, Rogers, Pyatt Co, Pennland, Antwerp
400 bgs, O G Innes Corp, Pennland, Antwerp
168 baskets, Manufacturers Trust Co, Silversandal, Macassar
246 baskets, Chase Natl Bank, Silversandal, Macassar
25 cs, Gillespie, Rogers, Pyatt Co, Silversandal, Singapore
70 bgs, Rhesus, Singapore
50 cs, 160 bgs, S Winterbourne & Co, Rhesus, Singapore
5 bbls, 72 bgs, Karr, Ellis & Co, Samaria, Liverpool
DAMMAR—150 cs, 630 bgs, O G Innes Corp, Silversandal, Singapore
75 cs, 210 bgs, Gillespie, Rogers, Pyatt Co, Silversandal, Singapore
420 bgs, Strook & Wittenberg, Silversandal, Singapore
100 cs, Gillespie, Rogers, Pyatt Co, Rhesus, Batavia
200 cs, O G Innes Corp, Rhesus, Batavia
350 bgs, American Cyanamid & Chem Co, Rhesus, Singapore
100 cs, 384 bgs, S Winterbourne & Co, Rhesus, Singapore
700 bgs, Strook & Wittenberg, Rhesus, Singapore
50 cs, France, Campbell & Darling, Rhesus, Singapore
70 bgs, O G Innes Corp, Rhesus, Singapore
50 cs, Rhesus, Singapore
KAURI—22 cs, 2 tons, 16 cwt, 3 qtrs, 15 lbs, Van Oppen & Co, Australind, Auckland
20 cs, 2 tons, 10 cwt, J Meyer & Son, Australind, Auckland
50 cs, 6 tons, 17 cwt, 2 qtrs, American Cyanamid & Chem Co, Australind, Auckland
20 cs, 2 tons, 10 cwt, 2 qtrs, 4 lbs, G W S Patterson & Co, Australind, Auckland
5 cs, 12 cwt, 3 qtrs, 7 lbs, France, Campbell & Darling, Australind, Auckland
30 cs, 4 tons, 2 cwt, 20 qtrs, S Winterbourne & Co, Australind, Auckland
355 cs, 82 bgs, 48 tons, 1 cwt, Strook & Wittenberg, Australind, Auckland
80 bgs, 5 tons, 3 cwt, 3 qtrs, Australind, Auckland
MASTIC—10 cs, Excambion, Piraeus
TRAGACANTH—8 cs, G Gulbenkian, Excambion, Piraeus
10 cs, M J Caponya, Excambion, Marseilles
25 cs, Excambion, Marseilles
4 cs, Excambion, Marseilles
YACCA—150 bgs, Wiegand, Adelaide

GYPSUM — 100 bgs, Whittaker, Clark & Daniels, American Importer, Liverpool
204 bgs, L A Salomon & Bros, American Importer, Liverpool

HERBS, MEDICINAL—4 bls, 2 cs, Gambarelli & Davitto, Rex, Genoa
8 bls, 1,276 lbs, Hamburg, Hamburg
24 bls, 6,600 lbs, Hamburg, Hamburg

HOPS—5 bls, P H Petry & Co, Pennland, Antwerp
10 bls, Black Diamond S S Co, Spaarndam, Rotterdam
9 bls, Gerhard & Hey, Hamburg, Hamburg
6 cs, 1 bl, P H Petry & Co, Hamburg, Hamburg
30 bls, Globe Shipping Co, Hamburg, Hamburg
40 bls, Bode & Voigt, Hamburg, Hamburg
76 bls, Atlantic Forwarding Co, Hamburg, Hamburg
60 bls, American Express Co, Hamburg, Hamburg
41 bls, 7 ballots, Hamburg, Hamburg
20 bls, J D Smith Co, Hamburg, Hamburg
75 bls, P H Petry & Co, Hamburg, Hamburg
90 bls, S S Steiner, Hamburg, Hamburg
3 cs, 29 bls, J Sonnenschein Hop Co, Washington, Hamburg

INDIGO—8 cks, General Dyestuff Corp, Veendam, Rotterdam
IRON ORE—21,700 tons, Bethlehem Steel Corp, Amerikaland, Cruz Grande
508 bgs, 133 dms, Reichard-Coulston, American Importer, Liverpool
OXIDE—100 cks, Reichard-Coulston, Spaarndam, Rotterdam
50 cks, T H Deutz, Spaarndam, Rotterdam
50 cks, Robinson, Wagner & Co, Spaarndam, Rotterdam
20 cks, A T Schildge, Spaarndam, Rotterdam
90 cks, Reichard-Coulston, Spaarndam, Rotterdam
10 cks, Adam T Schildge, Veendam, Rotterdam
2 cks, Scott L Libby Corp, Veendam, Rotterdam
10 cks, T H Deutz, Excambian, Marseilles
30 kegs, J H Rhodes & Co, Samaria, Liverpool
10 cks, Whittaker, Clark & Daniels, Samaria, Liverpool
12 cks, H Furman, Samaria, Liverpool
ISINGLASS—10 cs, C H Reisig, Samaria, Liverpool
LEAVES, MEDICINAL—104 bls, Excambion, Marseilles
8 bgs, Knickerbocker Mills Co, Excambion, Marseilles
LICORICE ROOT—11 bls, J L Hopkins & Co, Hamburg, Hamburg
LITHOPONE—400 cks, B Moore & Co, Veendam, Rotterdam
MACE—4 cs, Catz American Co, Spaarndam, Rotterdam
23 cs, I Harrison & Whitney, Black Tern, Rotterdam
30 cs, Catz American Co, Haukefjell, Rotterdam
MAGNESIA, CALCINET—125 cs, Schofield, Donald Co, American Importer, Liverpool
CARBONATE—25 cs, McKesson & Robbins, American Importer, Liverpool
55 cs, 150 cks, Schofield, Donald Co, American Importer, Liverpool
HYDRATE—100 cs, Schofield, Donald Co, American Importer, Liverpool
MAGNESITE, CALCINED—676 bgs, F E Schindler & Co, Spaarndam, Rotterdam
120 bbls, Innis,Speiden & Co, Spaarndam, Rotterdam
MANGROVE PARK EXTRACT—1,000 bgs, Silversandal, Singapore
1,000 bgs, Rhesus, Singapore
MANIOC MEAL—984 bgs, Chase Nat Bank, Rhesus, Samarang
MEDICINAL PREPS—25 cs, Biddle Purchasing Co, Spaarndam, Rotterdam
25 cs, Merck & Co, Spaarndam, Rotterdam
MICA—15 cs, Corn Exchange Bank Trust Co, Eastern Prince, Rio de Janeiro
35 cs, Washington, Havre
91 cs, Veendam, Rotterdam
25 cs, American Importer, Liverpool
SPLITTINGS—10 cs, Silversandal, Colombo
MILK, POWD—50 cs, 500 bgs, 210 bbls, Spaarndam, Rotterdam
60 cks, R A McKee, Black Tern, Rotterdam
220 bgs, Rohmer, Gehrig & Co, Veendam, Rotterdam
1,640 bgs, Veendam, Rotterdam
MOLASSES—800,000 kilos, W R Grace & Co, Santa Lucia, Salaverry
MUSTARD SEED—200 bgs, Jewett, Sherman Co, Haukefjell, Rotterdam
MYROBALAN EXTRACT—440 bgs, International Product Corp, Samaria, Liverpool
NAPHTHALENE—1,000 bgs, Standard Naphthalene Prod Co, Spaarndam, Rotterdam
500 bgs, Spaarndam, Rotterdam
500 bgs, Black Tern, Antwerp
1,250 bgs, Associated Metals & Minerals Corp, Black Tern, Rotterdam
850 bgs, Black Tern, Rotterdam
1,679 bgs, Calco Chem Co, Haukefjell, Rotterdam
NUTGALLS—350 bgs, Bunge North American Grain Co, Norfolk, Shanghai
NUTMEGS—25 bgs, Dodge & Olcott Co, Excambion, Alexandria
200 bgs, Fort Townshend, Grenada
50 bgs, McKesson & Robbins, Ingrid, Grenada
100 bgs, B H Old & Co, Ingrid, Grenada
100 bgs, Thomas Scott & Co, Ingrid, Grenada
NUX VOMICA—246 bgs, Volkart Bros, Silversandal, Colombo
OCHER—146 cks, 2,044 bgs, Reichard-Coulston, Excambion, Marseilles
OIL, CITRONELLA—24 dms, Rhesus, Batavia
COCONUT—1,007 tons, Philippine Refining Corp, Silversandal, Cebu
375 tons, Philippine Refining Corp, Silversandal, Manila
COD—300 cks, Balfour, Guthrie & Co, Washington, Hamburg
CODLIVER—135 dms, Gunning & Gunning, Washington, Hamburg
CORN—75 dms, National City Bank, Pennland, Antwerp
120 dms, Penniand, Antwerp
803 dms, Corn Product Refining Co, Sarcoxie, Dunkirk
500 dms, Corn Product Refining Co, Pipestone County, Dunkirk
OIL, CORN—50 dms, Balfour, Guthrie & Co., Veendam, Rotterdam
100 dms, I R Boody & Co, Veendam, Rotterdam
100 dms, Chemical Bank Trust Co, Veendam, Rotterdam
COTTONSEED—100 dms, I R Boody & Co, Veendam, Rotterdam
320 dms, Royal Bank of Canada, Argentino, Santos
275 dms, Argentino, Santos
CROTON—3 cs, 444 lbs, Fritzsche Bros, Hamburg, Hamburg
ESSENTIAL—28 cs, Spaarndam, Rotterdam
7 dms, Fritzsche Bros, Yucatan, Vera Cruz
5 cs, Hamburg, Hamburg
4 cs, Washington, Havre
19 cs, Veendam, Rotterdam
41 pkgs, Excambion, Marseilles
FUEL—103,859 bbls, Standard Oil Co of N J, Gulfbird, Aruba
100,400 bbls, Standard Oil Co of N J, Wilhelm A Riedermann, Aruba
53,595 bbls, Asiatic Petroleum Corp, San Quirino, Port Mexico
GERANIUM—2 cs, E Lelong, Marseilles
1 ck, Manufacturers Trust Co, Excambion, Marseilles
JUNIPER—5 cs, Magnus, Mabee & Raynard, Excambion, Genoa
LAVENDER—6 dms, Fritzsche Bros, Excambion, Marseilles
LIME—9 cs, T A Hedley, Eastern Prince, Trinidad
71 cs, Eastern Prince, Trinidad
2 cs, Fort Townshend, St Lucia
1 dm, Fort Townshend, Dominica
30 cs, Ungerer & Co, Ingrid, St Lucia
LUBRICATING—30 dms, Pennland, Antwerp
300 bbls, W H McKenna, Samaria, Liverpool
OITICICA—25 dms, Golden Sea, Fortaleza
OLIVE—200 cs, Rex, Genoa
85 cs, Rex, Naples
195 dms, Comml Bank of Greece, Excambion, Piraeus
25 dms, Mallares & Co, Excambion, Leghorn
100 dms, 40 cs, Excambion, Leghorn
50 dms, S A Laraja, Excambion, Genoa
25 dms, B Dorman, Excambion, Genoa
40 dms, Scaramelli & Co, Excambion, Genoa
50 dms, J Mineroini, Excambion, Genoa
15 dms, A J Capone Co, Excambion, Genoa
300 dms, Strohmeyer & Arpe Co, Excambion, Genoa
150 dms, Wesson Oil & Snowdrift Sales Co, Excambion, Genoa
975 cs, Excambion, Genoa
25 dms, 274 cs, Excambion, Marseilles
100 bbls, Chase Natl Bank, Excambion, Marseilles
77 dms, Albert Smith, Excambion, Marseilles
50 dms, Banca Coml Italian Trust Co, Excambion, Marseilles
75 dms, Lekas & Drivas, Excambion, Marseilles
ORANGE—16 dms, L A Champon, Excambion, Marseilles
5 dms, A Cheris Co, Excambion, Marseilles
10 cs, Avery F Payne, Pastores, Kingston
20 cs, Magnus, Mabee & Reynard, Pastores, Kingston
PALM—90 cks, Veendam, Rotterdam
PALMKERNEL—149 cks, 336 dms, Samaria, Liverpool
PATCHOULI—2 dms, G Uhe & Co, Rhesus, Batavia
PEANUT—10 dms, Lamont, Corliss & Co, Black Tern, Rotterdam
330 tons, Lever Bros, Norfolk, Tsingtao
260 tons, Procter & Gamble, Norfolk, Tsingtao
105 dms, Holland American Line, Veendam, Rotterdam
SESAME—27 dms, N C Littauer, Spaarndam, Rotterdam
31 dms, N C Littauer, Veendam, Rotterdam
SHEANUT—241 dms, Balfour, Guthrie & Co, Spaarndam, Rotterdam
TEASEED—100 dms, American Cyanamid & Chem Co, Norfolk, Shanghai
TURPENTINE—6 dms, Lautier Fils, Sarcoxie, Bordeaux
VEGETABLE—15 dms, I R Boody & Co, Veendam, Rotterdam
VETIVER—18 dms, G Uhe & Co, Rhesus, Batavia
YLANG YLANG—8 cks, Tombarrel Prod Corp, Excambion, Marseilles
OLEIN—5 dms, Michel Export Co, Spaarndam, Rotterdam
PAINT—25 dms, Haas Bros, Black Tern, Rotterdam
PAPRIKA—25 bgs, Van Oppen & Co, Hamburg, Hamburg
PATCHOULI LEAVES—42 bls, Dodge & Olcott Co, Silversandal, Penang
PEATMOSS—400 bls, Hamburg, Hamburg
600 bls, Premier Peatmoss Corp, Black Tern, Rotterdam
1,000 bls, Eelsingh & Lugtigheid, Black Tern, Rotterdam
200 bls, Washington, Hamburg
PEPPER, BLACK—1,500 bgs, Irving Trust Co, Silversandal, Oosthaven
492 bgs, Silversandal, Oosthaven
243 bgs, C T Wilson & Co, Rhesus, Batavia
WHITE—140 bgs, Silversandal, Singapore
210 bgs, C T Wilson & Co, Silversandal, Singapore
PETROLEUM, CRUDE—31,899 bbls, Mexican Atlas Co, Cymbeline, Tampico
33,226 bbls, Cia Petrolear del Agivi, Cymbelime, Tampico
PIMENTO—100 bgs, Joensson Import Co, Pastores, Kingston
POPPYSEED—200 bgs, 22,000 lbs, M Mitsenburg, Spaarndam, Rotterdam
100 bgs, 11,000 lbs, Levy & Levis Co, Spaarndam, Rotterdam
200 bgs, 22,000 lbs, Hamburg, Hamburg
100 bgs, 11,000 lbs, Black Tern, Rotterdam
198 bgs, 21,780 lbs, C M Van Sillevoldt, Haukefjell, Rotterdam
100 bgs, 11,000 lbs, R T French Co, Haukefjell, Rotterdam
300 bgs, 33,000 lbs, Sokol & Co, Haukefjell, Rotterdam
POPPYSEED—150 bgs, 16,500 lbs, I Grob & Co, Haukefjell, Rotterdam
396 bgs, 43,560 lbs, Catz American Co, Haukefjell, Rotterdam
100 bgs, 11,000 lbs, Levy & Levis Co, Haukefjell, Rotterdam
100 bgs, 11,000 lbs, Export & Import Traders, Haukefjell, Rotterdam
100 bgs, 11,000 lbs, Pepper Product Co, Haukefjell, Rotterdam
150 bgs, 16,500 lbs, Western Brokerage Co, Haukfjell, Rotterdam
POTASH, CARBONATE—6 cks, T C Wygandt, Hamburg, Hamburg
CAUSTIC—130 dms, American Cyanamid & Chemical Co, Hamburg, Hamburg
CHLORATE—100 bbls, 300 kegs, 38,095 lbs, International Selling Corp, Pipestone County, Havre
325 dms, 39,215 lbs, Charles Hardy, Pipestone County, Havre
METABISULPHITE—100 kegs, 18,266 lbs, Hamburg, Hamburg
MURIATE—500 bgs, N V Potash Export My, Excambion, Haifa
PERCHLORATE—50 bbls, 12,177 lbs, International Selling Corp, Pipestone County, Havre
QUEBRACHO EXTRACT—4,303 bgs, Tannin Corp, Eastern Prince, Buenos Aires
5,905 bgs, International Product Corp, Eastern Prince, Buenos Aires
QUICKSILVER—38 flasks, Yucatan, Vera Cruz (Correction)—In the previous issue Charles Pfizer & Co was credited with 135 flasks, S S Antonia, London; should have read Associated Metals & Minerals Co
RAPESEED—150 bgs, A G Dunn, Pennland, Antwerp
RESIN—15 cs, 1,584 lbs, Hamburg, Hamburg
92 cs, Paul Bertuch & Co, Golden Sea, Manaos
52 cs, Golden Sea, Manaos
RICE FLOUR—168 bbls, Emile Francqui, Antwerp
200 pockets, Standard Rice Co, Veendam, Rotterdam
SABADILLA SEED—100 bgs, Royal Bank of Canada, Caracas, La Guaira
SAGO FLOUR—400 bgs, Chase National Bank, Silversandal, Singapore
800 bgs, Silversandal, Singapore
2,400 bgs, Rhesus, Singapore
SARDINE MEAL—3,420 bgs, Wessel, Duval & Co, Norfolk, Shanghai
SARSAPARILLA ROOT—9 bls, P H Petry & Co, Platano, Livingston
SEED, MEDICINAL—50 bgs, P H Petry & Co, Excambion, Marseilles
28 bgs, P H Petry & Co, Excambion, Marseilles
SENNA LEAVES—41 bls, 11,182 lbs, Hamburg, Hamburg
SHELLAC—11 cs, A Hurst & Co, Spaarndam, Rotterdam
40 bgs, 70 cs, A Hurst & Co, Hamburg, Hamburg
SIENNA—30 bbls, 12,034 lbs, Whittaker, Clark & Daniels, Excambion, Leghorn
4 cks, 300 bgs, Reichard-Coulston, Excambion, Leghorn
SILVER NITRATE RESIDUE — 1 cs, R J Saunders & Co, Quirigua, Havana
SOAP—550 cs, 140 cyls, Conti Product Corp, Excambion, Leghorn
200 cs, J P Smith & Co, Excambion, Marseilles
20 cs, W T Rawleigh Co, Excambion, Marseilles
SODA AZIDE—57 bbls, 6,897 lbs, E I DuPont de Nemours Co, Hamburg, Hamburg
HYDROSULPHITE—70 dms, 16,632 lbs, Hamburg, Hamburg
120 dms, 31,900 lbs, Black Tern, Antwerp
NITRATE—21,366 bgs, Guaranty Trust Co, Marna, Tocopilla
PRUSSIATE—3 cks, P Kuch Co, Haukefjell, Rotterdam
SOLVENTS—508 dms, C P Chemical Solvents Co, Emilia, Ponce
SOYBEAN MEAL—2,000 bgs, Mitsubishi Shoji Kaisha, Norfolk, Dairen
SPONGES—11 bls, Atlantic Freighting Co, Spaarndam, Rotterdam
2 bls, American Sponge & Chamois Co, Yucatan, Vera Cruz
4 bls, Royal Bank of Canada, Scanmail, Nassau
4 bls, Excambion, Piraeus
9 bls, Santa Lucia, Havana
47 bls, Munargo, Havana
REFUSE—22 bls, American Sponge & Chamois Co, Yucatan, Vera Cruz
43 bls, Munargo, Havana
STARCH—20 bgs, Varley & Co, Emile Franqui, Antwerp
POTATO—100 bgs, Continental Grain Co, Spaarndam, Rotterdam
100 bgs, Heemsoth-Kerner Corp, Washington, Havre
200 bgs, Stein, Hall & Co, Veendam, Rotterdam
STEARIN—150 bgs, Penniand, Antwerp
STEATITE—4 bbls, M Kirchberger Co, Excambion, Leghorn
SUNFLOWER SEED MEAL—698 bgs, Swift & Co, Eastern Prince, Buenos Aires
TALC—500 bgs, Whittaker, Clark & Daniels, Sarcoxie, Bordeaux
500 bgs, L A Salomon & Bros, Sarcoxie, Bordeaux
450 bgs, C B Chrystal & Co, Sarcoxie, Bordeaux
41 bbls, M Kirchberger Co, Excambion, Leghorn
TALLOW—130 tcs, Samaria, Liverpool
BEEF—274 tcs, Eastern Prince, Buenos Aires
TANKAGE—325 bgs, H J Baker & Bros, Argentino, Buenos Aires
1,000 bgs, Argentino, Buenos Aires
TAPIOCA FLOUR—3,419 bgs, Corn Product Refg Co, Almena, Puerto Plata
1,000 bgs, Stein, Hall & Co, Silversandal, Cheribon
199 bgs, Stein, Hall & Co, Silversandal, Batavia
500 bgs, Java American Export Co, Rhesus, Sourabaya
9,709 bgs, National City Bank, Rhesus, Sourabaya
3,536 bgs, Stein, Hall & Co, Rhesus, Cheribon
3,000 bgs, Rutger, Bleecker & Co, Rhesus, Cheribon
333 bgs, Rhesus, Cheribon
1,000 bgs, Rutger, Bleecker & Co, Rhesus, Batavia
5,500 bgs, Stein, Hall & Co, Rhesus, Batavia
1,261 bgs, Rhesus, Batavia
250 bgs, Rutger, Bleecker & Co, Rhesus, Bolama
TIMBO POWD—420 cs, Golden Sea, Para
TOLU BALSAM—30 cs, Grazi Co, Pastores, Puerto Colombia
TONKA BEANS—19 cs, Golden Sea, Para
TUBA ROOT—12 bls, Rhesus, Singanore
TURMERIC FINGER — 67 bgs, Silversandal, Colombo
UMBER—30 cks, Whittaker, Clark & Daniels, Samaria, Liverpool
UREA—1,000 bgs, Synthetic Nitrogen Product Corp, Black Tern, Rotterdam
500 bgs, Synthetic Nitrogen Product Corp, Veendam, Rotterdam
VANILLA BEANS — 58 cs, Thurston & Braidich, Excambion, Marseilles
13 cs, Marine Midland Trust Co, Excambion, Marseilles
44 cs, Guaranty Trust Co, Excambion, Marseilles
VANILLA BEANS—14 cs, Dammann & Smelter, Excambion, Marseilles
CUTS—20 cs, F Huber Co, Yucatan, Vera Cruz
WATER, MINERAL—300 cs, Rohner, Gehrig & Co, Spaarndam, Rotterdam
50 cs, Atlantic Freighting Co, Excambion, Marseilles
800 cs, E & J Burke, Excambion, Marseilles
WAX, BEES—6 bls, Will Baumer Candle Co, Emilia, San Juan
80 bgs, Smith & Nichols, Eastern Prince, Santos
30 bgs, Platano, Santiago
63 pkgs, McMiller Candle Co, Excambion, Alexandria
6 seroons, Porcella, Vicini & Co, Ponce, San Juan
CARNAUBA—56 bgs, Innes, Speiden & Co, Golden Sea, Areia Branoa
224 bgs, Golden Sea, Areia Branoa
250 bgs, Smith & Nichols, Golden Sea, Parnahyba
250 bgs, J H Schroeder Banking Corp, Golden Sea, Parnahyba
513 bgs, Strahl & Pitsch, Golden Sea, Parnahyba
125 bgs, Innis, Speiden & Co, Golden Sea, Parnahyba
135 bgs, Strahl & Pitsch Golden Sea, Bahia
392 bgs, Strohmeyer & Arpe, Golden Sea, Fortaleza
426 bgs, Strohmeyer & Arpe Co, Golden Sea, Parnahyba
55 bgs, Innis, Speiden & Co, Golden Sea, Natal
82 bgs, Smith & Nichols, Golden Sea, Natal
58 bgs, Leghorn Trading Co, Golden Sea, Fortaleza
94 bgs, Innis, Speiden & Co, Golden Sea, Fortaleza
139 bgs, Bank of London, South America, Golden Sea, Fortaleza
308 bgs, American Cyanamid & Chem Co, Golden Sea, Fortaleza
22 bgs, Philadelphia Natl Bank, Golden Sea, Fortaleza
56 bgs, W R Grace & Co, Golden Sea, Fortaleza
166 bgs, Lenape Trading Co, Golden Sea, Fortaleza
224 bgs, Strahl & Pitsch, Golden Sea, Fortaleza
314 bgs, W M Allison & Co, Golden Sea, Fortaleza
415 bgs, Smith & Nichols, Golden Sea, Fortaleza
113 bgs, A Hurst & Co, Golden Sea, Fortaleza
345 bgs, Golden Sea, Fortaleza
63 bgs, Wessel, Duval & Co, Golden Sea, Parnahyba
126 bgs, Wm Allison & Co, Golden Sea, Parnahyba
288 bgs, W R Grace & Co, Golden Sea, Parnahyba
375 bgs, Bank of London, South America, Golden Sea, Parnahyba
627 bgs, American Cyanamid & Chem Co, Golden Sea, Parnahyba
38 bgs, A Hurst & Co, Golden Sea, Parnahyba
277 bgs, Golden Sea, Parnahyba
MINERAL—7 bgs, General Dyestuff Corp, Veendam, Rotterdam
MONTAN—375 bgs, Strohmeyer & Arpe Co, Hamburg, Hamburg
OZOKERITE—25 bgs, 5,610 lbs, Hamburg, Hamburg
SPERMACETTI—230 cs, Banco Aleman Trans, Marna, Valparaiso
VEGETABLE—30 bgs, Innis, Speiden & Co, Samaria, Liverpool
WHITING—1,000 bgs, Pennland, Antwerp
WILD FIG SAP—3 cs, Merck Co, Quirigua, Cristobal
YEAST—150 bbls, 10 kgs, Hamburg, Hamburg
30 bbls, 10 cs, Vulkan Yeast Co, Hamburg, Hamburg
50 bbls, Ernst W C Toepfer, Washington, Hamburg
20 bbls, K H Lange, Washington, Hamburg
ZINC, OXIDE—50 bbls, Innis, Speiden & Co, Emile Francqui, Antwerp

New York Transit Imports

GLYCERIN—2 cs, C H Swift, Eastern Prince, Buenos Aires, Chicago
NUTGALLS—200 bgs, Eastman Kodak Co, Norfolk, Shanghai, Rochester
SPONGES—24 bls, Santa Lucia, Havana, Havre
9 bls, Santa Lucia, Havana, Antwerp
48 bls, Munargo, Havana, London
30 bls, Munargo, Havana, Rotterdam
REFUSE—48 bls, Royal Bank of Canada, Scanmail, Nassau, London
142 bls, Munargo, Havana, London
5 bls, Munargo, Havana, London

Baltimore Imports

AMMONIA SULPHATE—200 bgs, Beemsterdijk, Rotterdam
ANTIMONY OXIDE — 500 bgs, Kwansai, Hankow
BONEMEAL — 2,206 bgs, City of Baltimore, Hamburg
CHEMICALS—20 cks, Advance Solvents Chem Co, Beemsterdijk, Rotterdam
416 cks, Beemsterdijk, Rotterdam
1 cs, Baltimore & Ohio R R Co, City of Baltimore, Hamburg
CLAY, BLUE—140 cks, Beemsterdijk, Rotterdam
FERROMANGANESE — 350 cs, Amagisan, Yokohama
FERTILIZER, NITROGENOUS — 2,353 bgs, Beemsterdijk, Rotterdam
ILMENITE SAND — 2,000 tons, Silvercedar, Colachel
IRON ORE—6,700 tons, Bethlehem Steel Co, Dessau, Whyalla
21,800 tons, Bethlehem Steel Co, Svealand, Cruz Grande
11,500 tons, Bethlehem Steel Co, Santore, Daiquiri
7,098 tons, Leo J Buck, Oxelosund, Narvik
MANGANESE ORE—8,180 tons, Amtorg Trading Corp, Sirikishna, Poti
MYROBALANS—2,000 bgs, Silvercedar, Bombay
OIL, CODLIVER—6 bbls, City of Baltimore, Hamburg
HAARLEM—25 cs, Beemsterdijk, Rotterdam
CORN—100 dms, Beemsterdijk, Rotterdam
OLIVE—700 dms, Beemsterdijk, Rotterdam
25 cs, City of Baltimore, Havre
PALMKERNEL—148 tons, Beemsterdijk, Rotterdam
PEATMOSS—436 bls, City of Baltimore, Hamburg
POLISHING CREAM—1 cs, Dessau, Fremantle
SESAME SEED—140 bgs, Kwansai, Hongkong
SODA, NITRATE—109,770 bgs, Guaranty Trust Co, Tercero, Tocopilla
(Bulk) 1,786 tons, Guaranty Trust Co, Tercero, Tocopilla
10,107 bgs, Guaranty Trust Co, Tercero, Iquique
(Bulk) 268 tons, Guaranty Trust Co, Tercero, Iquique
SOYBEAN MEAL—2,000 bgs, Kwansai, Dairen
STARCH, POTATO — 150 bgs, Beemsterdijk, Rotterdam
TANNENG EXTRACT — 5 bgs, Dessau, Fremantle

H. A. GOGARTY, Inc.
23 YEARS OF SPECIALIZED SERVICE
EXPORTS
SHIPPING
CUSTOMS
BROKERS
15 MOORE ST., NEW YORK

CLEANING MILLING
GUMS, DRUGS, FOOD PRODUCTS
To
Your Specification
Try
Gruman's Service
Telephone MArket 3-2491
J. B. GRUMAN CO.
St. Francis, Komorn and Maine Sts.
Est. 1854 NEWARK, N.J.

Boston Imports

ACID, CRESYLIC—20 dms, American Importer, Manchester
ALBUMEN, EGG, HEN—28 cs, American Cyanamid & Chemical Corp, Kano, Tientsin
BARYTES—500 bgs, 55,115 lbs, Excambion, Genoa
BLUE, BERLIN—3 cks, 768 lbs, McKeesport, Hamburg
CASEIN—834 bgs, 110,325 lbs, Chemical Bank & Trust Co, The Angeles, Buenos Aires
CASSIA BUDS—25 cs, 1,960 lbs, Hanish Love Co, Silversandal, Hongkong
CHEMICALS—10 dms, Advance Solvents & Chemical Corp, Olymp, Drammen
155 dms, 167 crbys, Spaarndam, Rotterdam
25 dms, American Cyanamid & Chemical Corp, Spaarndam, Rotterdam
24 bbls, Stone & Downer, Spaarndam, Rotterdam
150 dms, 100 bgs, Advance Solvents & Chemical Co, Spaarndam, Rotterdam
CHINA CLAY—90 cks, 45 tons, English China Clays Sales Corp, Bristol City, Fowey
770 bgs, 77 tons, English China Clays Sales Corp, Bristol City, Fowey
2,532 tons, 13 cwt, English China Clays Sales Corp, Bristol City, Fowey
261 tons, 17 cwt, Moore & Munger, Bristol City, Fowey
CLAY, BLUE—90 tons, Moore & Munger, Bristol City, Fowey
COALTAR DISTILLATE—20 dms, Merrimac Chemical Co, American Importer, Liverpool
COCOABEANS—1,000 bgs, W R Grace & Co, Spaarndam, Rotterdam
COLOR, EARTH—3 cks, 1,552 lbs, Excambion, Leghorn
POTTERS'—2 cs, American Express Co, American Importer, Liverpool
DEXTRIN—25 bgs, Spaarndam, Rotterdam
EARTH, RED—20 cks, Adam T Schildge, Spaarndam, Rotterdam
EMERY FILLET—3 cs, C E Quinn, Samaria, Liverpool
1 cs, Atkinson Haserick Co, Samaria, Liverpool
POWDER—40 bgs, 2 cs, Nicholson & Co, American Banker, London
FERTILIZER, NITRATE PHOSPHATE—100 bgs, Synthetic Nitrogen Product Corp, Spaarndam, Rotterdam
FISHMEAL—1,000 bgs, Wilbur Ellis & Co, Kano, Yokohama
GLASS, WINDOW—1,387 cs, 327,509 lbs, McKeesport, Hamburg
GLAUBER'S SALT—500 bgs, 110,230 lbs, McKeesport, Hamburg
GLUESTOCK—126 bls, 24,109 lbs, E Butterworth & Co, Excambion, Genoa
FISH SCRAP—30 cs, J R Poole, Yarmouth, Yarmouth
19 bbls, R Ranagan, Yarmouth, Yarmouth
37 bxs, J Rich Co, Yarmouth, Yarmouth
HIDE CUTTINGS—134 bgs, 10 tons, 5 cwt, 11 lbs, Samaria, Liverpool
GUM, SANDARAC—8 bbls, 2,583 lbs, Excambion, Marseilles
IRISH MOSS—35 bls, Samaria, Liverpool
MAGNESIA, HYDRATE—20 cs, Schofield, Donald Co, American Importer, Liverpool
MAGNESITE—60 bbls, Innis, Speiden & Co, Spaarndam, Rotterdam
MICA SPLITTINGS—5 cs, National City Bank, Markhor, Calcutta
OCHER—71 csks, 44,421 lbs, Robinson, Wagner & Co, Excambion, Marseilles
120 csks, 71,605 lbs, Excambion, Marseilles
OIL, COCONUT—404 tons, Philippine Refining Corp, Silversandal, Manila
1,006 tons, Philippine Refining Corp, Silversandal, Manila
COD—125 cks, 55,115 lbs, McKeesport, Hamburg
FUEL—68,730 bbls, Mexican Petroleum Corp, Frontenac, Aruba
OLIVE—50 cs, 5,952 lbs, Prince Macaroni Mfg Co, Excambion, Genoa
PALM—670,820 lbs, City of Wellington, Belawan-Deli
PEANUT—50 dms, Lamont, Corliss & Co, Spaarndam, Rotterdam
RED—1 dm, 452 lbs, American Express Co, McKeesport, Hamburg
SUNFLOWER—2 dms, Irving R Sobin & Co, Spaarndam, Rotterdam
PEATMOSS—216 bls, 65,918 lbs, Peat Import Corp, McKeesport, Hamburg
510 bls, Premier Peatmoss Corp, Spaarndam, Rotterdam
125 bls, Premier Peatmoss Corp, Spaarndam, Rotterdam
PETROLEUM, CRUDE—42,232 bbls, Standard Oil Co of New Jersey, Pioneer, Caripito
PITCH, MARINE GLUE—9 dms, L W Ferdinand & Co, American Banker, London
POPPYSEED—50 bgs, ntfy, J Sklar Co, Spaarndam, Rotterdam
POTASH, MURIATE—500 bgs, 101,711 lbs, N V Potash Export Mij, Excambian, Haifa
QUEBRACHO EXTRACT—10,458 bgs, 562 tons, Tannin Corp, The Angeles, Buenos Aires
6,400 bgs, 346 tons, International Products Corp, The Angeles, Buenos Aires
ROSIN LIQUID—100 dms, 49,436 lbs, Gottesman & Co, Norefjord, Norrsundet
RUBBER POWDER—34 bgs, Spaarndam, Rotterdam
SHELLAC—185 cs, 35 bgs, J Henry Schroeder Banking Co, Spaarndam, Rotterdam
25 bgs, Bank of the Manhattan Co, Markhor, Calcutta
25 cs, Bank of London & South America, Markhor, Calcutta
BUTTONLAC—50 bgs, Grace National Bank, Markhor, Calcutta
25 bgs, Chase National Bank, Markhor, Calcutta
GARNETLAC—25 bgs, Chase National Bank, American Banker, London
SOAP—75 cs, 3,179 lbs, Conti Products Corp, Excambion, Leghorn
CASTILE—717 cs, 85,168 lbs, First National Bank, Excambion, Marseilles
TOILET—3 cs, American Express Co, American Importer, Liverpool
SODA, SULPHIDE—156 cs, Philipp Bros, Kano, Yokohama
STARCH, SOLUBLE—100 bgs, Guaranty Trust Co, Spaarndam, Rotterdam
SUMAC—1 bg, 209 lbs, Excambion, Beyrouth
TALC—525 bgs, 115,742 lbs, L A Salomon & Bros, Excambion, Marseilles
TAPIOCA FLOUR—552 bgs, from Netherland Indies
500 bgs, First National Bank, Penrith Castle, Cheribon
2,500 bgs, Guaranty Trust Co, Penrith Castle, Batavia
250 bgs, Chase National Bank, Silversandal, Cheribon
2,898 bgs, National City Bank, City of Wellington, Sourabaya
500 bgs, 112,030 lbs, A Hoffman & Co, City of Wellington, Cheribon
250 bgs, 56,321 lbs, H P Winter & Co, City of Wellington, Cheribon
535 bgs, 113,605 lbs, Balfour, Guthrie & Co, City of Wellington, Pamanoekan
500 bgs, 112,028 lbs, A Hoffman & Co, City of Wellington, Batavia
259 bgs, 57,317 lbs, Chase National Bank, City of Wellinton, Batavia
TARTAR—34 bgs, 11,261 lbs, First National Bank, Excambion, Marseilles
CREAM—50 cks, 12,359 lbs, Excambion, Genoa
TOILET PREPS—6 cs, Lever Bros, American Banker, London
TRICHLORETHYLENE—25 dms, 17,186 lbs, International Selling Corp, Excambion, Marseilles
WAX, MONTAN—69 bgs, 10,649 lbs, McKeesport, Hamburg
ZINC OXIDE—20 bbls, 4,939 lbs, Stone & Downer, Excambion, Marseilles

Boston Transit Imports

FIRE CLAY—2 bgs, F F Newkirk, American Banker, London, for Attleboro, Mass
IRON SAND—86 bgs, American Express Co, American Banker, London, for Cleveland, Ohio
PINE TAR—10 dms, American Express Co, American Banker, London, for Fort Wayne, Indiana
TAPIOCA, PEARL—150 bgs, 24,445 lbs, Natl City Bank, City of Wellington, Sourabaya, for Toronto
SEED—200 bgs, 37,529 lbs, Natl City Bank, City of Wellington, Sourabaya, for Toronto

Houston Imports

CHEMICALS—50 bbls, Borkum, Hamburg
COCONUTS—81 bgs, Margaret Lykes, Ponce
GLASS, PLATE—1 cs, Margaret Lykes, Ponce
HOPS—50 cs, 28 bls, Borkum, Hamburg
MAGNESITE—4,084 bgs, Alberta, Trieste
OIL, CODLIVER—25 dms, Borkum, Hamburg
PEATMOSS—1,700 bls, Borkum, Hamburg

Los Angeles Imports

ALBUMEN, EGG, HEN—2,200 lbs, Taiyo, Tientsin
ALCOHOL—56,000 lbs, Hopecrest, Manila
BARIUM CHLORATE—330 lbs, Tacoma, Hamburg
CHEMICALS—1,110 lbs, from Tokio
PHOTO—30 lbs, from Stuttgart
COPRA MEAL—700,000 lbs, Kota Agoeng, Philippine Islands
150,000 lbs, Silvermaple, Manila
DRUGS, CRUDE—4,990 lbs, Sinaloa, La Paz
FERTILIZER—70,560 lbs, Portland, Antwerp
GELATIN, EDIBLE—7,760 lbs, Damsterdijk, Rotterdam
GLASS, ROLL—3,600 lbs, Abraham Lincoln, Charleroi
SHEET — 15,640 lbs, Abraham Lincoln, Brussels
10,880 lbs, Abraham Lincoln, Charleroi
2,380 lbs, Charleroi
GUM, DAMMAR—4,480 lbs, Silvermaple, Singapore
PEATMOSS—60,000 lbs, Portland, Bremen
SAPONINE—200 lbs, Tacoma, Hamburg
SHELLAC—36,900 lbs, Silvermaple, Calcutta
WATER, MINERAL—800 lbs, Portland, Hamburg

Mobile Imports

ALUMINUM ORE—2,285 tons, Bauta, Paramaribo

New Orleans Imports

BAUXITE, CRUDE—2,417 tons, Aluminum Ore Co, Zenda, Georgetown
ORE—2,459 tons, Republic Mining & Mfg Co, Austvangen, Paramaribo
2,405 tons, Republic Mining & Mfg Co, Lindvangen, Paramaribo
COCOA BEANS—1,000 sx, Fruit Despatch Co, Tivives, Almirante
CAMPHOR, REF—105 cs, National Bank of New York, Montreal, Kobe
CANAIGRE ROOT—42 sx, Lusk Shipping Co, Morazan, Vera Cruz
COCONUTS—4 sks, F Beyer, Austvangen, Kingston
40 sks, Standard Fruit & Steamship Co, Contessa, Ceiba
100 sks, J Meyer, Gansfjord, Belize
GUM, CHICLE—20 bls, Chicle Development Co, Gansfjord, Belize
876 sks, Wm Wrigley Jr, Tuxpam, Carmen
MOLASSES—1,098,706 bbls, North American Trading & Import Co, Kishacoquillas, Preston
379,737 gls, North American Trading & Import Co, Kishacoquillas, Cienfuegos
163,334 gls, Commercial Molasses Co, Castana, Guantanamo
184,000 gls, Commercial Molasses Co, Amolco, Santiago
217,709 gls, Baragua Sugar Estate, Beaufort, Jucaro
POTASH, MURIATE—1,027 tons, N V Potash, Wasgenwald, Bremen
SULPHATE—250 sx, N V Potash, Wasgenwald, Bremen

Norfolk Imports

AMMONIA SULPHATE—2,000 tons, Mitsubishi Shoji Kaisha, Northmoor, Konan
1,000 tons, Amtorg Trading Corp, Minsk, Novorossisk
CALCIUM NITRATE—542 tons, Synthetic Nitrogen Product Corp, Tennessee, Heroen
1,000 bgs, 90 tons, Synthetic Nitrogen Product Corp, Tennessee, Heroen
COCOA RESIDUES—4,000 bgs, Bilderdijk, Rotterdam
COLORS, BRONZE—1 cs, American Express Co, City of Baltimore, Hamburg
EPSOM SALT—227 bgs, 21 tons, City of Havre, Hamburg
OIL, CODLIVER—869 dms, 97 tons, City of Baltimore, Hamburg (for Newport News)
SHELLAC—250 bgs, Guaranty Trust Co, City of Norwich, Calcutta
SOAP, TOILET—3 cs, American Express Co, City of Havre, Hamburg
SODA SULPHATE—254 cks, 53 tons, City of Havre, Hamburg
813 bgs, 79 tons, City of Havre, Hamburg
STARCH, POTATO—500 bgs, Guaranty Trust Co, Bilderdijk, Rotterdam
200 bgs, Bilderdijk, Rotterdam

Philadelphia Imports

ASBESTOS, CRUDE—1,334 bgs, Raw Asbestos Distributors, Atlantic, Beira
BEET PULP — 1,500 bls, Mitsubishi Shoji Kaisha, Northmoor, Kushiro
BONE MEAL—2,300 bgs, Argenti & Co, Silvercedar, Karachi
CASSIA BUDS—100 cs, R T French Co, Unicol, Hongkong
CASSIA ROLLS—100 bls, McCormick & Co, Unicol, Hongkong
CHINA CLAY—1,182 tons, 7 cwt, 1 qtr, 11 lbs, English China Clays Sales Corp, Gloucester City, Fowey
1,168 tons, 13 cwt, Moore & Munger, Gloucester City, Fowey
CHROME ORE—4,019 tons, 5 cwt 2 qtrs 24 lbs, E J Lavino & Co, Atlantic, Beira
2,750 tons, U S Vanadium Corp, Unicol, Panagan
CLAY, BALL—215 tons 4 cwt, English China Clays Sales Corp, Gloucester City, Fowey
BLUE—500 tons, Moore & Munger, Gloucester City, Fowey
CLAY, CHINA STONE, GROUND—163 tons, 4 cwt, English China Clays Sales Corp, Gloucester City, Fowey
POTTERS', UNWROUGHT, 80 tons, Hammill & Gillespie, Gloucester City, Fowey
COCOA BEANS—705 bgs, Superintendence Co, Bodnant, Lagos
2,923 bgs, Balfour, Guthrie & Co, Bodnant, Lagos
6,034 bgs, W & A Leaman, Bodnant, Accra
1,600 bgs, Barclay's Bank, Bodnant, Winnebah
722 bgs, Cie Francaise Afrique Occidentale, Bodnant, Saltpond
12,310 bgs, Balfour, Guthrie & Co, Bodnant, Fort Bouet
3,078 bgs, Balfour, Guthrie & Co, Bodnant, Lahou
COCONUTS—320 bgs, Edwards Freeman, Barbara, Mayaguez
105 bgs, Edwards Freeman, Barbara, San Juan
400 bgs, Franklin Baker Co, Barbara, San Juan
55 bgs, Simon & French, Barbara, San Juan
CORKWOOD—1,720 tons, Maddalena Odero, Lisbon
FISHMEAL—1,620 bgs, Consumers Import Co, Hoegh Carrier, Yokohama
GLUESTOCK—500 bls, Argenti & Co, Silvercedar, Karachi
GUM DAMMAR—150 cs, Chase Nat'l Bank, Soemba, Batavia
LICORICE ROOT—15,900 bls, MacAndrews & Forbes Co, Chelyuskinets, Poti
MACE—84 cs, Catz American Co, Soemba, Macassar
MAGNESITE ORE—24,000 bgs, Mitsubishi Shoji Kaisha, Northmoor, Dairen
MOLASSES—1,418,357 gls, North American Trading & Import Co, Winnetou, Banes
NAPHTHALENE—875 bgs, J W Hampton, Jr & Co, Sagaporack, Gdynia
NUTMEGS—50 cs, Catz American Co, Soemba, Macassar
75 bgs, McCormick & Co, Soemba, Samarang
OIL, OLIVE SULPHUR—300 tons, Teresa, Venice
PEPPER—243 bgs, Soemba, Tandjong Priok
PETROLEUM, CRUDE—14,000 bbls, Texas Co, Arthur W. Sewall, Tampico
POPPYSEED—100 bgs, R T French Co, Sagaporack, Gdynia
PYRITES ORE—5,000 tons, General Chemical Co, Blairesk, Setubal
RAPESEED—312 bgs, A G Dunn, Seisho, Otaru
SARDINE MEAL—2,240 bgs, Baugh & Sons Co, Hoegh Carrier, Kobe
TAPIOCA FLOUR—500 bgs, Perkins Glue Co, Silvercedar, Batavia
274 bgs, Nat'l City Bank, Soemba, Sourabaya
500 bgs, Chase Nat'l Bank, Soemba, Cheribon
527 bgs, Guaranty Trust Co, Soemba, Cheribon
WAX CERESIN—34 bgs, Teresa, Trieste

San Francisco Imports

COPRA—200 tons, Durkee Famous Foods, Silverbelle, Cebu (for Oakland)
3,765 sks, Wairuna, Suva
1,471 sks, H M Newhall & Co, Wairuna, Suva
797 sks, Bank of California N A, Wairuna, Suva
1,820 sks, Bank of New Zealand, Wairuna, Apia
919 sks, Wigbtman & Crane, Wairuna, Apia
6,181 sks, Wairuna, Apia
9,224 sks, Burns, Philp Co, Wairuna, Rarotonga
10,383 sks, Wairuna, Rarotonga
GUM COPAL—50 sks, Henry W Peabody & Co, Silverbelle, Singapore
HEMPSEED MEAL—2,000 sks, Taylor Milling Corp, Cuba, Nagoya
LACQUER—1 cs, Pacific Coast Racquet Co, Wairuna, Sydney
NUTMEGS—30 cs, Fred Catz & Co, Silverbelle, Amboina
50 cs, Fred Catz & Co, Silverbelle, Macassar
PAINT—1 cs, Silverbelle, Calcutta
PEANUT MEAL—616 cks, East Asiatic Co, Cuba, Tsingtao
1,600 cks, Mitsubishi Shoji Kaisha, Cuba, Tsingtao
SESAME MEAL—3,000 sks, Balfour, Guthrie & Co, Cuba, Nagoya
SOAP—1 cs, W J Wilson, Wairuna, Sydney
TALLOW—28 cks, Wairuna, Sydney
200 dms, Anglo-California National Bank, Wairuna, Sydney
TAPIOCA FLOUR—200 sks, Hoyt, Shepston & Sciaroni, Silverbelle, Batavia
550 sks, Hoyt, Shepston & Sciraoni, Silverbelle, Cheribon
VANILLA BEANS—3 cs, Williams, Diamond & Co, Wairuna, Papeete

Savannah Imports

INK, PRINTING—3 cs, Saccarappa, Hamburg
POTASH, MANURE, SALT—200 bgs, Saccarappa, Hamburg
177,100 kilos, Saccarappa, Hamburg
MURIATE—1,953,903 kilos, Saccarappa, Hamburg
POTASH MAGNESIA SULPHATE—150 bgs, Saccarappa, Hamburg
SALTCAKE—908,000 kilos, Saccarappa, Bremen
SALTPETER—675,000 kilos, Selje, Iquique
SODA, NITRATE—5,160,800 kilos, Selje, Iquique
SILICOFLUORIDE—40 bbls, Saccarappa, Hamburg

Exports from U.S. Ports

New York Exports

Clearance Dates

American Merchant, January 30; American Traveler, January 29; Aquitania, January 29; Ascania, January 28; Biela, January 30; Borgfred, January 20; Caracas, January 13; Coamo, January 28; Cliffwood, January 18; Colombia, January 28; Deutschland, January 27; Excalibur, January 19; Excello, January 31; Exhibitor, January 15; Falcon, January 20; Fort Amherst, January 9; General M. H. Sherman, January 27; Giulia, January 13; Kambove, January 27; Koenigstein, February 2; Lossiebank, January 6; Manhattan, January 27; Mayari, January 29; Musa, January 29; Novasli, January 28; Panuco, January 21; Peten, January 28; President Roosevelt, January 19; Punta Arenas, January 28; Rex, January 15; San Jacinto, January 30; Scanmail, January 16; Schodack, February 1; Sessa, January 30; Siboney, January 15; Silverlarch, January 29; Topdalsfjord, December 30

ACETONE—39,329 lbs, American Traveler, Liverpool
ACID, ACETIC, ANHYD—14,575 lbs, Deutschland, Hamburg
CRESYLIC—10,118 lbs, Novasli, London
LACTIC—7,082 lbs, Deutschland, Hamburg
MURIATIC—832 lbs, Peten, Havana; 5,086 lbs, Punta Arenas, Antofagasta; (San Jacinto) 14,400 lbs, Arecibo; 12,000 lbs, Guanica
OXALIC—(Peten) 349 lbs, Limon; 700 lbs, Havana
SULPHURIC—8,140 lbs, Punta Arenas, Antofagasta; 1,350 lbs, San Jacinto, Ponce
ASPHALT—8,593 lbs, Peten, Antilla; 96,315 lbs, Scanmail, Nassau; 248,815 lbs, Dundrum Castle, Port Elizabeth; 23,330 lbs, Koenigstein, Antwerp
LIQUID—22,789 lbs, American Merchant, London; (American Traveler) 11,262 lbs, Liverpool; 63,751 lbs, Manchester
BENZENE—750 gls, Dundrum Castle, Port Natal
BLACK, BONE—21,015 lbs, Novasli, London
BLUE, ULTRAMARINE—(Lossiebank) 7,004 lbs, Cebu; 14,025 lbs, Manila
VITRIOL—60,153 lbs, Biela, Buenos Aires
CALCIUM, CARBONATE—90,410 lbs, Siboney, Vera Cruz
PHOSPHATE—13,068 lbs, Schodack, Havre
CADMIUM SULPHIDE—2,771 lbs, President Roosevelt, Hamburg
CHEMICALS — 42,254 lbs, Schodack, Havre; 10,145 lbs, Novasli, London; 36,132 lbs, American Traveler, Liverpool
CLAY—(Deutschland) 11,200 lbs, Oslo; 4,480 lbs, Bergen; 13,400 lbs, Riga
FILTER—10,100 lbs, Deutschland, Hamburg
COALTAR—3,291 lbs, Peten, Cristobal; 2,576 lbs, Sessa, Salaverry; 1,083 lbs, President Roosevelt, Havre
INTERMEDIATES — 26,882 lbs, Kambove, Antwerp
CORN FLOUR—7,810 lbs, Peten, Havana; 901 lbs, Musa, Porto Barrios
SUGAR—500 lbs, Peten, Havana
SYRUP—53,562 lbs, Peten, Havana; 16,806 lbs, General M H Sherman, Honolulu; 33,750 lbs, Fort Amherst, St Johns
DEXTRIN, CORN—21,300 lbs, Ascania, London
DISINFECTANT, COALTAR—1,210 lbs, Sessa, Buenaventura
DRUGS—6,416 lbs, American Merchant, London
DYES—(Manhattan) 1,433 lbs, Reichenberg; 8,993 lbs, Hamburg; 21,853 lbs, President Roosevelt, Hamburg
FERTILIZER—2,688,378 lbs, Silverlarch, Iloilo; 228,000 lbs, President Roosevelt, Hamburg
FORMALDEHYDE—10,500 lbs, Peten, Havana; 3,138 lbs, Borgfred, Barbados
FURFURAL, TECH — 36,283 lbs, American Traveler, Liverpool
GASOLINE—1,000 gls, Borgfred, St Thomas; 1,100 gls, Falcon, La Guayra
GELATIN—670 lbs, General M H Sherman, Honolulu
GLASS, WINDOW—18,312 lbs, Peten, Havana
GLUCOSE — 91,938 lbs, Lossiebank, Manila; 661 lbs, Manhattan, Basle
GLUE, VEGETABLE, DRY—4,410 lbs, Dundrum Castle, Capetown
GREASE, LUBRICATING—(Giulia) 24,592 lbs, Piraeus; 275,474 lbs, Fiume; (Lossiebank) 17,138 lbs, Manila; 18,010 lbs, Hongkong; 256,867 lbs, Shanghai; 14,016 lbs, Biela, Rio de Janeiro; 10,298 lbs, Topdalsfjord, Oslo; 30,185 lbs, Excalibur; Alexandria; 3,416 lbs, Aquitania, Southampton; (Dundrum Castle) 1,600 lbs, Walvis Bay; 45,440 lbs, Port Natal; 42,216 lbs, Lourenco Marques; 14,114 lbs, Punta Arenas, Tocopilla; 18,316 lbs, General M H Sherman, Honolulu; (Silverlarch) 34,168 lbs, Manila; 42,800 lbs, Shanghai; 5,642 lbs, Hongkong; 1,120 lbs, Musa, Tela; 2,047 lbs, Schodack, Bordeaux; 274,450 lbs, Novasli, London; (Excello) 44,216 lbs, Genoa; 17,215 lbs, Marseilles; 2,019 lbs, Borgfred, Martinique; (President Roosevelt) 6,300 gls, Havre; 9,837 lbs, Hamburg; 118,805 lbs, American Traveler, Liverpool; 66,523 lbs, Rex, Genoa; 296,262 lbs, Deutschland, Hamburg; 17,616 lbs, American Merchant, London
INSECTICIDE, HOUSEHOLD—56,100 lbs, Excalibur, Philippeville; 4,502 lbs, Dundgum Castle, Port Elizabeth; 7,204 lbs, Falcon, La Guayra; 14,040 lbs, Ascania, London
IODINE, CRUDE—1,662 lbs, Ascania, London
IRON OXIDE—5,213 lbs, Cliffwood, Copenhagen; 7,410 lbs, Kambove, Antwerp; 14,080 lbs, American Merchant, London
KEROSENE—7,000 gls, Colombia, Port Prince; 1,220 gls, Borgfred, St Martin
LACQUER—4,150 lbs, Dundrum Castle, Capetown
LARD—(Peten) 5,300 lbs, Caibarien; 14,815 lbs, Cienfuegos; 36,560 lbs, Havana; 33,460 lbs, Mayari, Banes; 12,600 lbs, Aquitania, Southampton; 14,000 lbs, San Jacinto, Mayaguez; 62,749 lbs, Kambove, Antwerp; 25,600 lbs, American Merchant, London; 93,039 lbs, American Traveler, Manchester
LEAD, WHITE—4,240 lbs, General M H Sherman, Honolulu
LINSEED CAKE—453,485 lbs, Koenigstein, Antwerp; (President Roosevelt) 111,891 lbs, Havre; 1,119,850 lbs, Hamburg; 3,329,190 lbs, Kambove, Antwerp
NAPHTHA—(Dundrum Castle) 1,250 gls, Capetown; 200 gls, Walvis Bay; 100 gls, Mossel Bay; 250 gls, Port Elizabeth; 400 gls, East London; 275 gls, Lourenco Marques; 2,000 gls, Beira; (Biela) 6,000 gls, Rio Janeiro; 1,000 gls
OIL, CASTOR—506 lbs, Topdalsfjord, Bergen
COCONUT, REFD—4,889 lbs, Peten, Havana
CORN—(Dundrum Castle) 12,210 lbs, Capetown; 3,010 lbs, Port Elizabeth; 902 lbs, Lourenco Marques; (San Jacinto) 32,444 lbs, San Juan; 2,150 lbs, Ponce; 5,243 lbs, Mayaguez; 860 lbs, Arecibo
EDIBLE—2,010 lbs, Punta Arenas, Buenaventura; 3,516 lbs, Caracas, Curacao; (General M H Sherman) 9,150 lbs, Honolulu; 2,571 lbs, Guayaquil; 6,249 lbs, Musa, Porto Barrios; 2,684 lbs, Exhibitor, Istanbul
ESSENTIAL—10,477 lbs, American Merchant, London
LINSEED—10,625 lbs, General M H Sherman, Honolulu; 4,624 lbs, American Merchant, London
LUBRICATING—(Dundrum Castle) 5,575 gls, Walvis Bay; 7,595 gls, Mossel Bay; 1,045 gls, East London; 5,830 gls, Port Natal; 1,800 gls, Port Elizabeth; 17,780 gls, Lourenco Marques; 5,475 gls, Beira; (Punta Arenas) 9,075 gls, Guayaquil; 20,515 gls, Mollendo; 12,320 gls, Tocopilla; 23,485 gls, Antofagasta; (Koenigstein) 16,289 gls, Rotterdam; 8,080 gls, Antwerp; 18,785 gls, Peten, Havana; 6,325 gls, Lossiebank, Manila; (Biela) 750 gls, Rio de Janeiro; 8,250 gls, Buenos Aires; (Topdalsfjord) 1,722 gls, Bergen; 1,890 gls, Porsgrund; 51,702 gls, Oslo; (Excalibur) 29,820 gls, Marseilles; 2,475 gls, Bone; 2,025 gls, Philippeville; 6,985 gls, Alexandria; (Giulia) 6,490 gls, Naples;

OIL, LUBRICATING (Continued).—
3,780 gls, Venice; 2,950 gls, Piraeus; 1,890 gls, Trieste; 7,425 gls, Silverlarch, Manila; 2,200 gls, Musa, Tela; (Schodack) 8,778 gls, St Nazaire; 25,452 gls, Bordeaux; 8,635 gls, Novasli, London; 10,340 gls, Manhattan, Havre; (Excello) 21,554 gls, Genoa; 776 tons, 9,177 gls, Vado; 17,305 gls, Marseilles; 14,900 gls, Napies; (Fort Amherst) 2,475 gls, St Johns; 7,560 gls, Halifax; 2,010 gls, Borgfred, Martinique; 2,200 gls, San Jacinto, Guanica; (Panuco) 5,500 gls, Porto Mexico; 18,440 gls, Tampico; (Tana) 4,200 gls, Santos; 7,912 gls, Rio Grande; 3,300 gls, General M H Sherman, Honolulu; (Sessa) 6,710 gls, Buenaventura; 27,500 gls, Tocopilla; 2,750 gls, Valparaiso; 12,240 gls, Coquimbo; (Falcon) 8,875 gls, La Guayra; 6,145 gls, Porto Cabello; (President Roosevelt) 6,300 gls, Havre; 9,837 gls, Hamburg; (American Traveler) 1,835 gls, Liverpool; 27,156 gls, Manchester; (West Kebar) 3,300 gls, Dakar; 1,650 gls, Port Bouet; 1,100 gls, Lagos; 600 gls, Duala; 1,650 gls, Libreville; 550 gls, Port Gentil; 10,630 gls, Point Noire; 20,425 gls, Matadi; 16,285 gls, Rex, Genoa; 37,122 gls, Ascania, London; 220,272 gls, Deutschland, Hamburg; 13,625 gls, American Merchant, London
OLEO—140,114 lbs, Novasli, London; 46,746 lbs, Cliffwood, Copenhagen
PEPPERMINT—488 lbs, Deutschland, Hamburg; 1,500 lbs, American Merchant, London
PINE—481 lbs, Giulia, Trieste
VALVE—3,465 gls, Panuco, Tampico
PAINT—4,617 lbs, Coamo, San Juan; 5,115 lbs, Excello, Naples
THINNER—(Dundrum Castle) 2,250 gls, Capetown; 2,250 gls, Port Elizabeth; 600 gls, East London; 7,750 gls, Lourenco Marques; 2,750 gls, Beira
PARAFFIN—(Punta Arenas) 51,086 lbs, Buenaventura; 67,810 lbs, Guayaquil; 38,185 lbs, Callao; (Peten) 64,689 lbs, Peten, Limon; 5,051 lbs, Havana; 29,474 lbs, Topdalsfjord, Oslo; (Giulia) 778,223 lbs, Naples; 600,930 lbs, Venice; 189,077 lbs, Trieste; 51,085 lbs, Panuco, Tampico; (Sessa) 34,480 lbs, Guayaquil; 34,245 lbs, Coquimbo; 495,010 lbs, Novasli, London; (Cliffwood) 66,733 lbs, Gothenburg; 44,480 lbs, Copenhagen; 66,733 lbs, Stockholm; 45,216 lbs, Exhibitor, Malta; 90,394 lbs, American Traveler, Manchester; 45,374 lbs, Ascania, London
SCALE—284,780 lbs, American Traveler, Manchester
PETROLATUM, MEDICINAL — 140,486 lbs, American Merchant, London
PETROLEUM, REFINED—(Caracas) 10,000 gls, Porto Cabello; 10,000 gls, La Guayra; (San Jacinto) 7,500 gls, Mayaguez; 8,000 gls, Aguadilla
PHENOL—64,462 lbs, Kambeve, Antwerp
PINETAR—1,560 lbs, San Jacinto, Aguadilla
PITCH—27,095 lbs, Manhattan, Hamburg
POTASH, MURIATE—141,400 lbs, San Jacinto, Guanica
RESIN—22,649 lbs, American Merchant, London
SYNTHETIC—3,248 lbs, American Merchant, London; 37,731 lbs, Deutschland, Hamburg
ROSIN—2,664 lbs, Cliffwood, Gothenburg; 25,861 lbs, American Merchant, London; 5,718 lbs, American Traveler, Liverpool
RUBBER ACCELERATOR—12,990 lbs, American Traveler, Liverpool
SOAP—(San Jacinto) 19,783 lbs, San Juan; 41,153 lbs, Ponce; 27,345 lbs, Mayaguez
LAUNDRY—32,213 lbs, General M H Sherman, Honolulu; 5,625 lbs, Hilo
POWDER—39,750 lbs, General M H Sherman, Honolulu
TOILET—13,850 lbs, General M H Sherman, Honolulu
SODA ASH—(Biela) 103,679 lbs, Rio Janeiro; 83,943 lbs, Buenos Aires; 13,040 lbs, Colombia, Cartagena
BICARBONATE—12,200 lbs, Colombia, Porto Colombia
CAUSTIC—(Peten) 7,180 lbs, Limon; 17,950 lbs, Havana; 229,919 lbs, Biela, Buenos Aires; (Silverlarch) 1,384,137 lbs, Shanghai; 137,693 lbs, Hongkong; 4,302 lbs, Musa, Porto Barrios; 6,640 lbs, General M H Sherman, Honolulu; 2,568 lbs, Sessa, Guayaquil; 6,450 lbs, Colombia, Porto Colombia
PHOSPHATE, DI—10,100 lbs, American Merchant, London
SILICATE—20,002 lbs, Coamo, Ciudad
SULPHIDE—10,075 lbs, Peten, Havana
STARCH—7,272 lbs, American Merchant, London
CORN—60,912 lbs, Caracas, San Juan; 38,298 lbs, General M H Sherman, Honolulu; 60,914 lbs, Falcon, San Juan; 38,800 lbs, Ascania, London
WHEAT—2,720 lbs, American Merchant, London
STEARIN, OLEO—16,880 lbs, Aquitania, Southampton
STRAMONIUM LEAVES—11,023 lbs, Deutschland, Hamburg
TALLOW—14,002 lbs, Topdalsfjord, Oslo
TURPENTINE—(Dundrum Castle) 860 gls, Capetown; 1,000 gls, Mossel Bay; 400 gls, Punta Arenas, Pimentel; 5,000 gls, Biela, Rio Janeiro
VARNISH—2,440 lbs, American Merchant, London
WITCH HAZEL EXTRACT—4,954 lbs, Manhattan, Havre

Baltimore Exports

Clearance Dates

Atna, January 28; City of Norfolk, January 28; Excello, January 28; Kwansai, February 4; Noto, January 29; Steel Seafarer, January 30

ALCOHOL, BUTYL—27,900 lbs, City of Norfolk, London
ASBESTOS REFUSE—12,000 lbs, City of Norfolk, Bremen
ASPHALT, SOLID—9,562 lbs, City of Norfolk, Hamburg
BATTERY PREP—49,710 lbs, Steel Seafarer, Shanghai
BLOOD, DRD—49,986 lbs, City of Norfolk, Hamburg
CALCIUM CASEINATE—120 lbs, City of Norfolk, London
GREASE, LUBRICATING—(Atna) 4,250 lbs, La Guaira; 250 lbs, Puerto Cabello
INSECTICIDE—20,808 lbs, Kwansai Maru, Osaka
LEAD, RED—40,000 lbs, Steel Seafarer, Manila
MANGANESE ORE—49,710 lbs, Steel Seafarer, Shanghai
OCHER—5 bbls, Excello, Geona
OIL, ENGINE—63 bbls, Excello, Marseille
FLOOR—450 lbs, Atna, La Guaira
HALIBUT LIVER—905 lbs, City of Norfolk, Oslo
PEPPERMINT—2,000 lbs, City of Norfolk, London
PORCELAIN ENAMEL FRIT—(City of Norfolk) 200 lbs, Oslo; 90 lbs, Beograd
PUTTY—1,200 lbs, City of Norfolk, London
SODA CHROMATE—2,000 lbs, City of Norfolk, England
STARCH, POSTER—3,125 lbs, Steel Seafarer, Manila
SULPHUR DIOXIDE—1,435 lbs, Noto, Nagoya
WHITING COMP—1,000 lbs, City of Norfolk, London

Boston Exports

Clearance Dates

American Traveler, January 31; Castilla, February 1; Quaker City, January 30; Rhesus, February 2; Scythia, January 31; Yarmouth, January 30-February 3.

BLUE, LAUNDRY—1 cs, 60 lbs, Yarmouth, Halifax
BRISTLES—7 cs, 818 lbs, Yarmouth, St John, N B
CARBON, RETORT—224 bgs, 40,012 lbs, Quaker City, London
CEMENT, RUBBER—7 bbls, 2,124 lbs, Rhesus, Manila
WATERPROOF—1 dm, 5 gls, Quaker City, Pudsey
CHEMICALS—4 bgs, 375 lbs, Quaker City, London
DISINFECTANT, COALTAR—10 bbls, 500 gls, Castilla, Havana
DRESSING, SHOE—4 cs, 31 gls, Castilla, Havana
FLUX—8 dms, 10,800 lbs, Castilla, Havana
GLUE, LIQ—1 cs, 12 gls, Rhesus, Manila
GLUESTOCK, HIDE CUTTINGS—200 bgs, 18,014 lbs, Scythia, Birkenhead
GREASE, SOAP—16 bbls, 6,501 lbs, Castilla Caibarien
INK, MARKING—1 cs, 26 lbs, Scythia, Leicester
LINING COMP—(Quaker City) 25 dms, 1,150 lbs, Goteborg; 2 dms, 1,122 lbs, Copenhagen; 1 dm, 470 lbs, Castilla, Havana
MEDICINAL FREPS—500 bxs, 2,500 gls, Quaker City, London
METALLIC ASHES—7 bbls, 4,267 lbs, American Traveler, Sheffield
MUCILAGE—1 pkg, 20 lbs, Castilla, Coco Solo
OIL, LUBRICATING—4 cs, 110 gls, Scythia, Liverpool
PARAFFIN—15 bgs, 3,000 lbs, Scythia, Liverpool
PASTE, ADHESIVE—1 bx, 6 lbs, Quaker City, London; (Castilla) 1 bbl, 60 gls, Havana; 3 pkgs, 192 lbs, Fort Davis
POLISH, STOVE—45 cs, 1,534 lbs, Yarmouth, St John
SAND, IRON—20 bgs, 2,000 lbs, Rhesus, Manila
SENNA LEAVES—1 bl, 408 lbs, Yarmouth, St John
SODA, SULPHATE—150 bbls and 150 kgs, 60,000 lbs, Castilla, Havana
SOYBEAN MEAL—1,000 bgs, 100,000 lbs, Yarmouth, St John
TANNERS' BATE—2 bbls, 540 lbs, Yarmouth, Yarmouth
TANNING EXTRACT—1 kg, 210 lbs, Scythia, Ruabon
TURPENTINE, GUM—(Yarmouth) 3 dms, 1,176 lbs, St John; 2 dms, 784 lbs, Yarmouth, Frederickton
WAX, SHOE—1 bbl, 428 lbs, Rhesus, Manila; 1 bbl, 25 gls, Castilla, Havana
SYNTHETIC—1 cs, 500 lbs, Quaker City, Hamburg

Galveston Exports

Clearance Dates

Alberta, January 27; Delaware, February 2; Erlangen, February 1; Pajala, February 1; Tsuyama, January 28; Waban, January 29

BLACK, CARBON—1,200 bgs, Tsuyama, Kobe; (Erlangen) 15 cs, Brisbane; 51 cs, 3,750 bgs, Sydney; 150 cs, 1,010 bgs, Melbourne; 50 cs, Delaware, Copenhagen
BORAX—130 tons, Tsuyama, Osaka
CONCENTRATES—(Waban) 20 tons, Havre; 90 tons, Antwerp
OIL, FUEL—1,800 tons, Pajala, Norvich
SULPHUR—3,300 tons, Alberta, Sete; (Waban) 50 tons, Havre; 40 tons, Antwerp; 36 tons, Rotterdam; 2,360 bgs, Erlangen, Sydney

Houston Exports

Clearance Dates

Alberta, January 30; Bosilea, January 27; Effingham, February 2; Floride, February 2; Litiopia, January 27; Margaret Lykes, January 30; Montello, January 30; Tacoma City, February 1; Tsuyama, January 27; Uddeholm, January 30; Vendemiore, January 30; Waban, January 27

BLACK, CARBON—(Tsuyama) 4,530 sks, 300 cs, Yokohama; 200 sks, Osaka; 50 cs, Kobe; 150 cs, Yokohama-Kobe-Osaka; (Waban) 50 cs, Havre; 300 bgs, Antwerp; 1,055 bgs, Rotterdam; 700 cs, Alberta, Trieste; (Kellerwald) 25 tons, Bremen; 60 tons, Hamburg; 500 bgs, Montello, Genoa; 14 cs, Margaret Lykes, Havana; (Uddeholm) 70 cs, Oslo; 226 cs, Gothenburg; 361 cs, Copenhagen; 114 cs, Gdynia; (Tacoma City) 4,136 bgs, 100 cs, Kobe; 500 bgs, 150 cs, Osaka; (Effingham) 8,228 pkgs, 50 tons, Havre; 5 cs, Rotterdam; 150 tons, Floride, Havre
GASOLINE—1 dm, Margaret Lykes, Cristobal
GREASE, LUBRICATING—47 dms, Waban, Antwerp
LUBRICANTS—(Margaret Lykes) 52 tons, Havana; 14 tons, Puerto Colombia; 2 dms, Uddeholm, Oslo
OIL, GAS—10,000 tons, Litiopia, a safe port in Sweden via Lands End
LUBRICATING—120 dms, Tsuyama, Kobe; 25 bbls, Waban, Rotterdam
PETROLEUM, CRUDE—10,000 tons, Basilea, Port de Bouc-Etang de Berre; 13,000 tons, Vendemiare, Havre
POTASH—1,500 sks, Tsuyama, Yokohama-Osaka-Kobe-Moji

Lake Charles Exports

Clearance Dates

Capsa, January 30; City of Omaha, January 27; Goldshell, January 23

PETROLEUM, CRUDE—92,136 bbls, Goldshell, Curacao; 95,233 bbls, Capsa, Curacao
ROSIN—73 dms, City of Omaha, Genoa; 496 dms, Monrosa, Genoa

Los Angeles Exports

Clearance Dates

Abosan, January 30; Argyll, January 30; Chesapeake, January 21; Fosna, January 23; Glittre, January 27; Omrosan, February 1; Paul Harneit, January 23; Robert F Hand, January 29; Shinko, January 27; Shoyo, January 22; Solarium, January 29; Winamac, January 27; Yeiyo, January 23; Zuiyo, January 20

GASOLINE—75,799 bbls, 19,783,540 lbs, Glittre, Australia; 72,317 bbls, 18,874,740 lbs, Solarium, London
KEROSENE—3,647 bbls, 1,039,400 lbs, Winamac, Shanghai; 99,431 bbls, 28,337,840 lbs, Chesapeake, Rotterdam-Amsterdam; 30,775 bbls, 8,770,880 lbs, Paul Harneit, Rotterdam
DISTILLATE — 23,212 bbls, 6,545,780 lbs, Yeiyo, Dairen
OIL, DIESEL—6,691 bbls, 2,087,590 lbs, Asosan, Tama; 49,242 bbls, 15,363,500 lbs, Omrosan, Japan; (Winamac) 35,186 bbls, 10,978,030 lbs, Shanghai; 43,667 bbls, 13,624,100 lbs, Onagawa-Osaka-Itosaki; (Fosna) 37,261 bbls, 11,625,430 lbs, Ofunato; 21,229 bbls, 6,645,290 lbs, Yura; 21,300 bbls, 6,645,600 lbs, Shimonoseki
FUEL—8,304 bbls, 2,765,230 lbs, Shinko, Osaka; 23,260 bbls, 7,745,580 lbs, Omrosan, Japan; 65,694 bbls, 21,876,100 lbs, Shoyo, Japan; 57,274 bbls, 19,072,240 lbs, Zuiyo, Japan; 21,615 bbls, 7,197,800 lbs, Argyll, Santa Rosalia

Mobile Exports

Clearance Date

Fagersten, January 28

FIRECLAY—180 sks, Fagersten, St Croix

New Orleans Exports

Clearance Dates

Baja California, November 13; Castilla, November 14, 30; City of Omaha, January 21; Eglantine, January 6; Gansfjord, November 10; Hamlet, January 26; Leerdam, February 1; Lysefjord, November 4, 25; Metapan, November 27; Monrosa, February 3; Narbo, January 23; Port Antonio, November 18; Santa Marta, November 6, 24; December 4; Sinaloa, November 7, 21; Sixaola, November 3; Tivives, November 9, November 20

ACETONE—12 tons, Leerdam, London
ACID, MURIATIC—600 carboys, Gansfjord, Banes
ALCOHOL—4 tons, Leerdam, London
DENATURED—1 dm, 15 tins, Lysefjord, Belize
ASPHALT—(Castilla) 690 dms, Puntarenas; 30 dms, Callao
BAKING POWDER—75 crtns, Santa Marta, Tela; 200 crtns, Lysefjord, Puerto Castilla; 100 crtns, Castilla, Puerto Cortez
BLACK CARBON—5 cs, Santa Marta, Callao; (Eglantine) 17 tons, Liverpool; 60 tons, Glasgow; (Leerdam) 28 tons, London; 11 tons, Antwerp; 9 tons, Rotterdam; 1 ton, Amsterdam; 34 tons, Narbo, London
BONEMEAL—5 sks, Metapan, Panama
ARSENATE—5 tons, Sixaola, Puerto Barrios; (Tivives) 200 dms, Cerro Azul; 800 dms, Pisco; 150 dms, Callao; 200 dms, Metapan, Callao; (Santa Marta) 5 tons Porta; 70 tons, Pisco; 300 dms, Callao
CALCIUM CARBIDE—500 dms, Metapan, Cristobal
HYDRATED—1,270 sks, Lysefjord, Tela
PHOSPHATE—20 bbls, Castilla, Havana
CHEMICALS—256 dms, Metapan, Chanaral
CLAY—100 sks, Puerto Colombia; (Narbo) 81 tons, London; 54 tons, Hull; 27 tons, Leerdam, Antwerp
COTTONSEED MEAL—10 sks, Lysefjord, Puerto Castilla; 600 sks, Santa Marta, Havana; 10 sks, Lysefjord, Puerto Castilla
DIATOMACIOUS EARTH—10 tons, Eglantine, Liverpool
DRUGS—(Metapan) 1 ton, Havana; 1 ton, Puerto Colombia
FERTILIZER—70 sks, Castilla, Cristobal
FIRECLAY—133 tons, Castilla, Tocopilla; 64 tons, Tivives, Havana
GASOLINE—(Lysefjord) 50 cs, 300 dms, Belize; 50 cs, Puerto Castilla; (Gansfjord) 10 cs, Belize; 20 dms, 70 cs, Livingston; 200 cs, 30 dms, Puerto Barrios; 310 cs, Port Antonio, Belize; 6 dms, Baja California, Bluefields; 55 dms, Sinaloa, Bluefields; (Lysefjord) 701 dms, Tela; 175 dms, Puerto Barrios; 280 cs, 110 dms, Puerto Cortez; 200 cs, 210 dms, Puerto Castilla
GREASE, LUBRICATING—40 cs, 10 half dms, 15 qtr dms, Castilla, Havana; 5 dms, Baja California, Bluefields; 20 dms, Tivives, Havana; (Santa Marta) 14 cs, Tela; 5 qtr dms, Corinto; 40 qtr dms, Cartagena
INFUSORIAL EARTH—20 tons, Narbo, London; 108 sks, City of Omaha, Oporto; 85 tons, Eglantine, Liverpool
INK—8 dms, Castilla, Havana; (Tivives) 8 dms, Havana; 4 dms, Cartagena; 15 dms, Metapan, Havana; 1 ton, Santa Marta, Havana
IRON SULPHATE—85 tons, Port Antonio, Puerto Barrios; 800 sks, Lysefjord, Puerto Barrios
KEROSENE—(Lysefjord) 120 dms, Kingston, 350 cs, Puerto Castilla; (Gansfjord) 400 cs, Kingston; 75 cs, Belize; 20 dms, 120 cs, Livingston; (Port Antonio) 120 dms, 400 cs, Kingston; 85 cs, Belize; 12 dms, Baja California, Bluefields; (Tivives) 1,200 cs, Tela; 500 cs, Cristobal; 375 cs, Puerto Limon; 300 cs, 25 dms, Sinaloa, Bluefields; (Lysefjord) 400 cs, Kingston; 50 dms, Tela; 200 ctns, 50 cs, Puerto Cortez; 525 cs, Puerto Castilla; 24 dms, 30 ctns, Metapan, Puerto Limon; (Santa Marta) 75 cs, Puerto Limon; 50 dms, Puerto Barrios; 300 cs, Puerto Armuelles
LARD—25 crts, 350 dms, Lysefjord, Santiago; 1,425 tins, 450 dms, Santa Marta, Havana; 50 crts, Port Antonio, Belize; (Castilla) 775 tins, 1,125 dms, 60 cs, Havana; 500 tins, 45 crts, Puerto Limon; (Tivives) 200 dms, 775 tins, Havana; 500 tins, Panama; 300 tins, Puerto Limon; (Metapan) 450 dms, 675 tins, Havana; 6 tcs, Panama; 100 tins, Puerto Limon; 670 dms, 475 tins, Santa Marta, Havana
MANGANESE SULPHATE—50 tons, Port Antonio, Puerto Barrios
MINERAL, BORATED, CRUDE—710 tons, Narbo, London
OIL, COTTONSEED—2 tons, Narbo, London
FUEL—95 dms, Lysefjord, Belize; 30 dms, Sinaloa, Bluefields; 2 dms, Gansfjord, Belize; 60 dms, Port Antonio, Livingston; 70 dms, Santa Marta, Tela; 70 dms, Baja California, Bluefields
LUBRICATING—(Hamlet) 1,019 tons, Antwerp; 5,135 tons, Hamburg; 330 tons, Antwerp-Hamburg; (Monrosa) 60 bbls, Oran; 264 bbls, Algiers; 351 bbls, Genoa; (Eglantine) 13 tons, Liverpool; 48 tons, Glasgow; (Tivives) 20 dms, Corinto; 115 dms, Callao; 41 tons, Leerdam, Rotterdam; (Metapan) 9 dms, Corinto; 8 dms, Mollendo; (Santa Marta) 80 dms, Mollendo; 4 dms, Corinto; 6 dms, Callao; 55 tons, Narbo, Hull
PINE—(Castilla) 4 dms, Havana; 100 dms, Chanaral
WOOD—10 dms, Metapan, Valparaiso
PAINT—1 ton, Santa Marta, Havana
PARAFFIN—25 tons, Narbo, London; 16 tons, Leerdam, London
SCALE—16 tons, Eglantine, London
PETROLEUM, REFD—625 cs, 225 dms, Lysefjord, Belize; 100 cs, Santa Marta, Puerto Limon; 410 cs, 25 dms, Gansfjord, Puerto Barrios; 25 cs, Castilla, Puerto Limon; (Lysefjord) 20 cs, Puerto Barrios; 130 cs, Puerto Cortes; 25 cs, Metapan, Puerto Limon
PINETAR—30 dms, Santa Marta, Havana; 6 dms, Tivives, Havana
PITCH—7 tons, Metapan, Puerto Colombia
POTASH CHLORATE—2 tons, Port Antonio, Puerto Barrios
PRESERVATIVE COMP—1 ton, Metapan, Havana
ROSIN—90 dms, Santa Marta, Buenaventura; (Castilla) 215 bbls, Havana; (Tivives) 59 bbls, Havana; 80 dms, Cartagena; 60 dms, Buenaventura; 25 dms, Metapan, Puerto Limon; (Santa Marta) 90 dms, Buenaventura; 60 dms, Puerto Limon; 200 sks, 300 dms, Puerto Colombia
GUM—10 bbls, Castilla, Panama; 33 bbls, Santa Marta, Panama
WOOD—5 bbls, City of Omaha, Genoa; 225 dms, Santa Marta, Havana; 100 dms, Metapan, Havana
SALT—1 ton, Sixaola, Puerto Barrios; (Lysefjord) 1 ton, Belize; 6 tons, Puerto Castilla; 22 tons, Port Antonio, Belize; 1 ton, Castilla, Puerto Limon; (Tivives) 40 tons, Havana; 46 tons, Cristobal; 3 tons, Tela; 14 tons, Sinaloa, Bluefields; (Santa Marta) 5 tons, Tela; 2 tons, Puerto Barrios; 1 ton, Lysefjord, Puerto Castilla; 48 tons, Santa Marta, Cristobal
SCOURING COMP—2 tons, Metapan, Cristobal
SHRIMP BRAN—160 sks, Santa Marta, Cristobal
SILICA—3 tons, Santa Marta, Havana
SOAP—100 ctns, Sinaloa, Bluefields; 100 ctns, Baja California, Bluefields
SODA, CAUSTIC—65 dms, Gansfjord, Santiago
NITRATE—10 sks, Castilla, Cristobal
PHOSPHATE, MONOBASIC—2 tons, Narbo, London
STARCH, POWD—28 tons, Leerdam, London
TURPENTINE—2 dms, City of Omaha, Trieste; (Santa Marta) 17 dms, Havana; 15 cs, Salaverry; 30 cs, Talcahuano; 42 cs, 12 dms, Castilla, Havana; 100 cs, Tivives, Talcahuano
WOOD—35 dms, 10 ctns, Metapan, Havana
WAX—102 sks, City of Omaha, Oporto; 125 sks, Castilla, Puerto Cortez

Norfolk Exports

Clearance Dates

City of Newport News, January 22; Gunda, January 25; Vingaren, January 25; Wau-Kegan, January 21

BARK, MEDICINAL—20 bgs, 2,240 lbs, City of Newport News, London
MEDICINAL PREP'S—20 pkgs, City of Newport News, London
MICA, GRD—200 bgs, 20,000 lbs, Waukegan, Manchester; 350 bgs, 30,000 lbs, City of Newport News, London
PULVERIZED—50 bgs, 5,050 lbs, City of Newport News, Havre; 200 bgs, 20,200 lbs, Waukegan, Manchester
POTASH MURIATE — 500 bgs, 49 tons, Vingaren, Gothenburg
SOYBEAN—60 bgs, 6,600 lbs, City of Newport News, Havre
TANNING EXTRACT—150 bgs, City of Newport News, Hamburg
LIQUID — 350 bbls, 217,019 lbs, Gunda, Cardiff; (Waukegan) 600 bbls, 36,019 lbs, Liverpool; 50 bbls, 30,183 lbs, Glasgow; 40 bbls, City of Newport News, London
WITCH HAZEL BARK—2 bls, City of Newport News, Hamburg
LEAVES—12 bls, City of Newport News, Hamburg

Philadelphia Exports

Clearance Dates

Amagisan, February 3; Barbara, February 5; Black Condor, January 28; Black Eagle, January 27; Bochum, February 2; Capulin, January 29; Cingalese Prince, January 29; Clement, February 1; Kwansai, February 2; Port Denison, February 1; Punta Arenas, February 4; Sessa, February 2; Storsten February 3

ACETONE—180 dms, Capulin, London
ALUMINA STEARATE—1 cs, Storsten, Antwerp
SULPHATE—2,050 bgs, Barbara, San Juan
BLACK, LAMP—4 crtns, Cingalese Prince, Manila
BUTYL ACETATE—244 dms, Capulin, London
CEMENT, FIBER—21 dms, 2 pls, Black Condor, Antwerp; 3 dms, Bochum, Hamburg; 3 dms, Sessa, Santiago
LEATHER—1 cs, Cingalese Prince, Manila; 1 cs, Kwansai, Kobe
RUBBER—(Black Condor) 6 dms, 4 pls, Antwerp; 3 dms, 1 pl, Amsterdam
COCOA BUTTER—200 crtns, Kwansai, Tokio
COTTON LINTERS—27 bls, Capulin, London
DEXTRIN—35 bgs, Port Denison, Wellington
ETHYL FLUID—(Bochum) 25 dms, Prague; 5 pkgs, Budapest; 10 pkgs, Kagran
FIRE EXTINGUISHER COMP—(Port Denison) 1 pkg, Auckland; 1 pkg, Wellington
GASOLINE—39,512 bbls, Polykarp, Rio de Janeiro; 61,121 bbls, Storsten, Antwerp
GREASE, LUBRICATING—(Kwansai) 194 dms, Yokohama; 60 bbls, 30 dms, Osaka; 20 dms, Kobe; 15 bbls, Storsten, Antwerp; 8 dms, Fredhem, Buenos Aires; 12 cs, Clement, Para; (Black Condor) 3 pls, 7 dms, Antwerp; 2 pls, Amsterdam; 5 dms, Bochum, Prague; (Punta Arenas) 21 dms, 25 cs, Guayaquil; 8 dms, Valparaiso; (Port Denison) 3 dms, Auckland; 1 dm, Wellington; 2 bbls, Dunedin
KEROSENE—10 dms, Port Denison, Auckland
LEATHER DRESSING—34 bbls, Bochum, Prague
METAL GLAZE—1 pail, Fredhem, Buenos Aires
MINERAL SPTS—200 bbls, Storsten, Antwerp
OIL, ILLUMINATING—16,598 bbls, Polykarp, Rio de Janeiro
LUBRICATING—1 cs, Capulin, London; (Cingalese Prince) 215 dms, 285 pkgs, Manila; 1,110 pkgs, Cebu; 394 pkgs, Hongkong; 1,150 dms, Polykarp, Rio de Janeiro; (Amagisan) 3,160 dms, Yokohama; 350 dms, Osaka; (Kwansai) 216 dms, Osaka; 100 dms, Osaka-Kobe; 200 dms, Kobe; 10 dms, 900 bbls, Storsten, Antwerp; 4 dms, Fredhem, Buenos Aires; (Clement) 55 dms, 90 cs, Para; 20 pkgs, Pernambuco; 45 pkgs, Bahia; 310 pkgs, Ceara; (Black Condor) 15 dms, Antwerp; 7 dms, Amsterdam; (Bochum) 3 dms, 530 bbls, 128 pkgs, Hamburg; 353 bbls, Prague; 542 pkgs, Giurgiu; 4 dms, Sessa, Santiago; (Punta Arenas) 230 dms, Guayaquil; 128 dms, Valparaiso; 13 dms, Talcahuano; (Port Denison) 298 dms, 58 pkgs, Auckland; 100 dms, 55 bxs, 62 pkgs, Wellington; 1 pkg, Lyttleton; 113 dms, Christchurch; 142 dms, 20 bxs, 35 pkgs, Dunedin; 3 pkgs, Invercargill; 5 dms, Wanganui; 14 dms, 12 qr-dms, Timaru; 6 dms, Gore
NEATSFOOT—25 bbls, Bochum, Hamburg

PAINT—5 dms, Cingalese Prince, Manila; 1 cs, 36 pails, 18 dms, Fredhem, Buenos Aires; (Black Condor) 67 dms, 3 pails, Antwerp; 1 cs, 54 dms, Amsterdam; 10 pails, Black Eagle, Amsterdam; 6 cs, 7 dms, Bochum, Hamburg; 1 cs, 14 dms, 56 pails, Sessa, Santiago

PARAFFIN, CRUDE—(Punta Arenas) 200 bgs, Guayaquil; 300 bgs, Arica; 416 bbls, Storsten, Antwerp

REFD—857 bgs, Kwansai, Dairen; 200 bgs, Punta Arenas, Callao; 1 bx, Port Denison, Wellington

SEMI-REFD—1,173 bgs, Cingalese Prince, Hongkong; 500 bgs, Punta Arenas, Guayaquil

POLISH—1 pail, Black Condor, Antwerp; 1 pail, Sessa, Santiago

SAND, FILTER—108 bgs, 14 dms, Kwansai, Kobe

SODA ASH—1 bx, Port Denison, Auckland

TANNING MAT, DRY—(Port Denison) 12 bbls, Lyttleton: 6 bbls, Bluff

WAX, BEES—1 pkg, Bochum, Bremen

Port Arthur Exports

Clearance Dates

Chickasaw City, January 23; Dordrecht, January 24; Europe, January 27; Loch Maddy, January 28; Margaret Lykes, January 29; Monrosa, January 27; Ruth Lykes, January 27

ASPHALT—5 cs, Ruth Lykes, San Juan; 3,270 dms, Monrosa, Genoa

LIQUID—1 box, Ruth Lykes, Mayaguez

PETROLEUM—(Chickasaw City) 2 bxs, 1,620 dms, Bombay; 4 bxs, Calcutta

GASOLINE—300 dms, 5,000 cs, Chickasaw City, Djibouti; 200 cs, Ruth Lykes, San Juan; (Europe) 52,312 bbls, Liverpool; 36,635 bbls, Dublin; 1,744 cs, 13,567 dms, Loch Maddy, Djibouti; 500 cs, Margaret Lykes, Amapala

GREASE, LUBRICATING—(Chickasaw City) 323 dms, Bombay; 4 cs, Bahrein via Bombay; 350 cs, 10 dms, Calcutta; (Ruth Lykes) 35 dms, Guanica; 1 dm, 3 cs, Fajardo; 4 dms, 13 cs, 6 pls, Arecibo; 5 dms, 6 cs, Mayaguez; 84 dms, 97 cs, 12 pls, San Juan; (Monrosa) 7 bbls, 17 hlf bbls, 4 cs, Naples; 122 bbls, 50 crtns, 55 cs, Genoa; (Margaret Lykes) 10 dms, Chanaral; 6 dms, 18 cs, Arica; 20 dms, Antofogasta

KEROSENE—3,000 cs, Chickasaw City, Djibouti; (Ruth Lykes) 100 cs, Fajardo; 910 cs, Arecibo; 700 cs, Aguadilla; 1,000 cs, Mayaguez; 3,196 bbls, Europe, Dublin; (Loch Maddy) 11,400 cs, Djibouti; 600 cs, Massana; 20 bbls, Margaret Lykes, Colon

OIL, BLACK—75 dms, Chickasaw City, Bombay

CYLINDER—100 dms, Chickasaw City, Karachi

DIESEL—(Europe) 7,575 bbls, Liverpool; 1,849 bbls, Dublin; 22,650 bbls, Loch Maddy, Djibouti

LUBRICATING—(Dordrecht) 30,477 bbls, Antwerp; 7,089 bbls, Rouen; (Ruth Lykes) 77 dms, Guanica; 3 dms, Maracaibo; 10 dms, Ponce; 5 cs, Fajardo; 23 dms, 24 cs, Arecibo; 5 cs, Aguadilla; 5 dms, 30 cs, Mayaguez; 268 dms, 236 cs, San Juan; (Monrosa) 43 bbls, 20 ctgs, 30 dms, Naples; 840 bbls, 73 hlf bbls, 80 dms, Genoa; (Margaret Lykes) 18 dms, 7 cs, Arica; 100 dms, Antofagasta; 20 dms, Champerico; 2 dms, Colon

PALE—(Chickasaw City)—2,500 dms, Bombay; 1,798 dms, Madras; 1,365 dms, 35 cs, Calcutta

PAINT—2 dms, Margaret Lykes, Cristobal

SOLVENT, PAINT—(Ruth Lykes) 1 dm, Arecibo; 2 cs, Mayaguez; 3 cs, San Juan

WAX—(Monrosa) 10 bbls, Naples; 10 bbls, Genoa

DRESSING—12 cs, Ruth Lykes, San Juan

San Francisco Exports

Clearance Dates

Ancylus, January 30; Balaklava, February 5; Beaconstreet, February 1; Kyokuto, February 4; Lincoln Ellsworth, February 1; South Africa, February 5

GASOLINE—73,592 bbls, Ancylus, Curacao; 99,000 bbls, South Africa, Auckland/Wellington/Lyttleton/Dunedin/Newcastle

KEROSENE—25,057 bbls, Ancylus, Curacao; 14,000 bbls, South Africa, Auckland/Wellington/Lyttleton/Dunedin/Newcastle; 76,000 bbls, Balaklava, Curacao

OIL, DIESEL—100 tons, South Africa, Auckland/Wellington/Lyttleton/Dunedin/Newcastle

FUEL—86,334 bbls, Beacon Street, Balboa

PETROLEUM, CRUDE—57,106 bbls, Lincoln Ellsworth, Shellburn; a quantity in bulk, Kyokuto, Tokuyama

Savannah Exports

Clearance Dates

Capillo, January 30; Gertrude Maersk, January 30; Steel Age, January 26; Talisse, February 3; Tulsa, February 4

CLAY—600 bgs, Tulsa, Hamburg

GLUCOSE—3 bbls, Steel Age, Honolulu

OIL, PINE—(Gertrude Maersk) 10 dms, Kobe; 20 dms, Manila; (Talisse) 5 dms, Belawan Deli; 3 dms, Palembang; 11 dms, Batavia; 3 dms, Samarang; 5 dms, Soerabaya; 3 dms, Macassar

ROSIN, GUM—(Tulsa) 168 bbls, Hamburg; 75 bbls, Bourgas; (Talisse) 75 bbls, Penang; 65 bbls, Singapore; 710 bbls, Batavia; 125 bbls, Tjilatjap; 550 bbls, Cheribon; 1,450 bbls, Semarang; 750 bbls, Sourabaya; (Capillo) 450 bbls, Rio Janeiro; 100 bbls, Pernambuco; 300 bbls, Buenos Aires; (Gertrude Maersk) 2,150 bbls, Yokohama; 500 bbls, Kobe; 1,070 bbls, Osaka; 85 bbls, Manila

SIZE DRY—90 bgs, Tulsa, Hamburg

WOOD—20 dms, Talisse, Padang

TURPENTINE, GUM—(Tulsa) 100 bbls, Glasgow; 86 bbls, Hamburg; 5 dms, Talisse, Singapore; (Capillo) 350 cs, 7 dms, Santos; 250 cs, Buenos Aires; (Gertrude Maersk) 300 cs, 30 dms, Yokohama; 30 cs, Shanghai; 50 cs, Manila; 4 dms, 80 cs, Steel Age, Honolulu

WOOD—(Gertrude Maersk) 20 dms, Kobe; 40 dms, Osaka; 203 dms, Manila

Tampa Exports

Clearance Date

Skagerak, January 28

PHOSPHATE—3,601 tons, Skagerak, Yokohama

PETROLEUM — 8,000 tons, S S Ollipioneer, clean, United States Gulf, France, 18s; February

10,000 tons, S S Lise, clean, California, Australia, 23s; March-April

7,500 tons, S S Raila, clean, Abadan, United Kingdom, Continent, 25s 6d; March

9,000 tons, S S Senator, clean, United States Gulf, West Coast Italy, 18s; March

13,000 tons, S S Caroline Maersk, dirty, Talara, Port de Bouc, 22s 3d; April

65,000 tons, S S Athene, clean, Constanza, French Atlantic, 13s 6d; March

9,000 tons, S S Vav, clean and casinghead, United States Gulf, United Kingdom, Continent, 19s; 24s for casinghead; February

9,000 tons, S S Dageid, clean, Aruba, 16s; United States Gulf, Oslo, Bergen, 18s 6d; March

8,000 tons, S S Vimeira, clean, Constanza, French Atlantic, 14s 6d; February

8,500 tons, S S Bramora (ex Markland), clean, Northern States, Antwerp, 15s 6d; February

8,500 tons, S S Lumen, clean, United States Gulf, France, 18s, followed by Constanza, France, 14s 6d

9,500 tons, S S Karabagh, clean, Constanza, French Atlantic, 14s 6d; March

—— tons, S S Mijdrecht, clean, California, United Kingdom, Continent, 23s 6d; March

—— tons, S S Pericles, dirty, California, Chile, two trips, 52c; February

—— tons, S S Oilreliance, clean, California, United Kingdom, Continent, 23s 6d; February

—— tons, S S Nordanger, dirty, California, Chile, two trips, 50c; February

—— tons, S S Ranja, clean, California, Philippine Islands, 17s; February

—— tons, S S Vera, clean, California, New Zealand, 22c; February

—— tons, S S O A Knudsen, dirty, California, Japan; January

—— tons, S S Adellen, dirty, California, Japan, two trips, 17s; February

—— tons, S S Solheim, dirty, California, China, 16s 6d; March-April

—— tons, S S Ferncastle, clean, California, China, 23s 6d; April

—— tons, S S Strinda, clean, California, United Kingdom, Continent, 23s 6d; February-March

—— tons, S S Varanger, dirty, California, Japan, 15s 6d; February

—— tons, S S Athel, dirty, California, Philippine Islands, China, 17s 6d; February-March

—— tons, S S Storanger, dirty, California, Japan; February; private terms

—— tons, S S Ferncastle, clean, California, Japan, 16s; February

11,500 tons, S S Nyholt, crude, Aruba, Curacao, 12s 7½d; Tampico, United Kingdom, Continent, 15s 1½d; February 10-28

9,000 tons, S S Josefina Thorden, clean, Northern States, United Kingdom, Continent, 16s; April

10,000 tons, S S Minister Wedel, clean, Aruba, Takoradi, 17s 9d; March-April

14,000 tons, S S Basilea, dirty, Haifa, Tripoli, Havre, 10s; February

13,000 tons, S S Athel, dirty, California, Japan, 17s 6d; March 10-25

14,000 tons, S S Kaldfonn, dirty, United States Gulf, Buenos Aires, 17s 6d; three trips, February 20-March 10

8,000 tons, S S Ionia, dirty, Constanza, Algiers, 7s 6d; February-March

11,500 tons, S S Adellen, dirty, California, Japan, 17s first trip, 16s 6d second two trips; February 15-25

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—3,805 bbls, Neches, San Diego; 66,686 bbls, Agwiworld, Seattle; 71,916 bbls, Los Angeles, Astoria; 3,336 bbls, S & C No 41, San Diego; 52,000 bbls, Lebec, Portland; 4,931 bbls, S & C No 2, San Diego; 32,458 bbls, Mojave, Seattle; 8,920 bbls, La Purisima, Seattle

OIL, DIESEL—17,937 bbls, Agwiworld, Seattle; 2,680 bbls, La Brea, San Diego; 23,000 bbls, Lebec, Portland; 40,237 bbls, Mojave, Seattle; 9,939 bbls, La Purisima, Seattle

FUEL—50,303 bbls, Neches, San Diego; 47,273 bbls, La Brea, San Diego; 7,000 bbls, Lebec, Portland; 66,294 bbls, La Brea, Seattle; 47,949 bbls, Kanawha, San Diego; 49,896 bbls, Topila, Seattle; 5,538 bbls, Mojave, Seattle; 65,021 bbls, Frank G Drum, Linnton; 32,358 bbls, La Purisima, Seattle

PETROLEUM DISTILLATE—66,900 bbls, Paul Shoup, Avon

Port Arthur Coast Trade

OIL, FUEL—38,500 bbls, Caloria, Tampa

Cargo Ship Arrivals

February 6 to February 19

New York

American Banker	London*	Feb 11
American Importer	Liverpool*	Feb 9
American Legion	Buenos Aires*	Feb 10
American Trader	London*	Feb 15
Angelina	San Juan	Feb 9
Aquitania	Southampton*	Feb 16
Argentino	Buenos Aires*	Feb 9
Argosy	Copenhagen*	Feb 14
Augvald	Hamburg	Feb 19
Badjestan	Santa Fe	Feb 12
Bela Khun	Novorossisk*	Feb 17
Black Falcon	Antwerp*	Feb 13
Black Hawk	Antwerp	Feb 14
Black Osprey	Antwerp*	Feb 12
Boniface	Bahia*	Feb 19
Borinquen	Trujillo*	Feb 15
Bremen	Bremen*	Feb 18
Cacique	Pisco*	Feb 10
Calamares	Santa Marta*	Feb 11
Calumet	Freetown*	Feb 13
Carabobo	Curacao*	Feb 18
Chateau Thierry	San Francisco*	Feb 19
Chimu	Pisco*	Feb 17
City of Brisbane	Liverpool	Feb 14
City of Dalhart	Melbourne*	Feb 14
Coamo	Trujillo*	Feb 9
Cold Harbor	Liverpool*	Feb 13
Collamer	Dunkirk*	Feb 18
Colombia	Cristobal*	Feb 15
Cristobal	Cristobal*	Feb 15
Curaca	Callao*	Feb 10
Dagrun	Buenos Aires*	Feb 14
Dalhem	Soderhamn*	Feb 19
Dallas City	Manila*	Feb 12
Duc de Brabant	Port Spain*	Feb 17
Eberstein	Port Natal	Feb 11
Estrella	Marseilles*	Feb 15
Examelia	Genoa*	Feb 11
Exchester	Oran*	Feb 16
Executive	Salonica*	Feb 16
Exochorda	Beirut*	Feb 17
Fernbrook	Manila*	Feb 9
Flora	Maracaibo*	Feb 9
Fordefjord	Buenos Aires	Feb 13
Fort Amherst	St Pierre*	Feb 11
Fort Townshend	Trinidad*	Feb 9
Gerolstein	Antwerp	Feb 18
Guayaquil	Port au Prince*	Feb 9
Hameln	Rosario*	Feb 15
Hammaren	Norrkoping*	Feb 12
Haukefjell	London*	Feb 9
Hoegh Transporter	Trieste*	Feb 13
Ida	Trieste*	Feb 12
Ile de France	Havre*	Feb 16
Independence Hall	Havre*	Feb 15
Jean Jadot	Antwerp	Feb 14
Kaganovich	Leningrad*	Feb 12
Kelso	Hull	Feb 14
Kersten Miles	Sundsvall*	Feb 12
Klyosumi	Manila*	Feb 11
Livenza	Palermo*	Feb 9
Luna	Maracaibo*	Feb 15
M C Holm	Hamburg	Feb 13
Maasdam	Rotterdam	Feb 18
Manhattan	Hamburg*	Feb 18
Manipur	Calcutta*	Feb 15
Markhor	Calcutta*	Feb 11
McKeesport	Dundee*	Feb 11
Milos	Skuskar*	Feb 10
Mindequa	Gothenburg*	Feb 11
Munargo	Havana*	Feb 18
Musa	Puerto Barrios*	Feb 11
Nankai	Hongkong*	Feb 12
New Brunswick	Accra*	Feb 13
Nordhavet	Genoa*	Feb 12
Nordlys	Rosario	Feb 17
Norefjord	Gefle*	Feb 11
Norshiro	Hongkong*	Feb 17
Oriente	Havana	Feb 9
Orizaba	Vera Cruz*	Feb 14
Otho	Accra*	Feb 18
Panuco	Tampico*	Feb 17
Pastores	Cristobal*	Feb 9
Peten	Port Limon*	Feb 14
Peter Maersk	Manila*	Feb 14
Phemius	Hongkong*	Feb 12
Platano	Puerto Barrios*	Feb 18
Ponce	San Juan	Feb 9
President Roosevelt	Hamburg*	Feb 15
Rigel	Buenos Aires*	Feb 11
Robin Gray	Mombasa*	Feb 10
Rosario	San Juan	Feb 15
Ryoyo	London*	Feb 14
San Jacinto	San Juan	Feb 16
Santa Inez	Valparaiso*	Feb 16
Santa Lucia	San Antonio*	Feb 9
Santa Paula	Ensenada*	Feb 12
Scanpenn	Trinidad*	Feb 17
Scanstates	Gdynia*	Feb 15
Seatrain Havana	New Orleans*	Feb 16
Seatrain New York	New Orleans*	Feb 9
Selvistan	Rosario	Feb 13
Southern Prince	Buenos Aires*	Feb 17
Speybank	Calcutta*	Feb 17
Steel Exporter	Calcutta*	Feb 16
Steel Voyager	Honolulu*	Feb 9
Stolzenfels	Bremen	Feb 9
Stuyvesant	Curacao*	Feb 15
Swinburne	Santos*	Feb 11
Tachira	Curacao*	Feb 11
Talan	Kobe*	Feb 15
Tawali	Telok Betong*	Feb 15
Ulua	Santa Marta*	Feb 18
Unicol	Manila*	Feb 10
Velex	Rosario	Feb 9
West Cawthon	Mombasa*	Feb 16

* And other ports

Recent Charters

OIL, CREOSOTE—6,000 tons, S S Petroil, London, Cardiff, Leghorn, Naples, 8s 4½d; February 1-15

Imports Detained

Detentions recently effected at various ports by United States authorities on determinations by the Food and Drug Administrations that products offered for import were adulterated or misbranded under the Federal food and drugs act or did not comply with other customs regulations included the following articles for the reasons stated:—

Los Angeles

Week Ended February 4

Calcium arsenate, 336 drums; ingredients not declared.

Medicinal preparations, 3 pieces; false therapeutic claims.

San Francisco

Week Ended February 4

Olive oil, 15 cases; net volume incorrectly stated.

Seattle

Week Ended February 4

Medicinal preparations, 2 pieces; false therapeutic claims.

Foreign Trade Openings

Correspondence in regard to any of the following foreign trade opportunities should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, or to any district or cooperating branch office of the bureau, and not to this publication. When writing, give the number of the item:—

Acids, Naphthenic:—Purchase, Brno, Czechoslovakia (2453).

Aluminum and Tin Foil:—Purchase and agency, Montreal, Canada (2414).

Ammoniates, Rough:—Agency, Milan, Italy (2401).

Borax:—Purchase, London, England (2455).

Brushes, Tooth:—Agency, Mayaguez, Puerto Rico (2432).

Candles, Beeswax, for Churches:—Purchase, Toronto, Canada (2428).

Cosmetics, Pharmaceutical Specialties and Toilet Preparations:—Agency, Brussels, Belgium (2483).

Drugs and Medicines:—Agency, Cairo, Egypt (2503).

Dyes for making Lipsticks and Rouges:—Purchase, Prague, Czechoslovakia (2482).

Cleansers and Insecticides, Household:—Purchase and Agency, Paris, France (2486).

Chemicals, Laboratory:—Purchase and Agency, Brussels, Belgium (2484).

Fertilizers, including Nitrate of Soda:—Purchase and agency, Toronto, Canada (2409).

Gasoline and Paraffin:—Agency, Port Louis, Mauritius (2413).

Muriate of Potash, in 20 to 25 ton lots:—Purchase, Liverpool, England (2522).

Oil, Eucalyptus, manufacturing machinery:—Purchase, Lima, Peru (2457).

Perfumes and Cosmetics:—Purchase and Agency, Vienna, Austria (2481).

Pharmaceutical Specialties and Druggists Supplies:—Exclusive agency, Brussels, Belgium (2400).

Rosin, 2,200 tons:—Purchase and agency, Pilzen, Czechoslovakia (2454).

Rosin, Liquid:—Purchase, Casablanca, Morocco (2485).

Soaps, Laundry, and Toilet, low-priced:—Agency, Casablanca, Morocco (2402).

Toilet Preparations:—Agency, Mexico City, Mexico (2467).

Lard and Lard Compounds:—Purchase and agency, Barranquitas, Puerto Rico (2513).

Petroleum Products, Paraffin:—Purchase, Buenos Aires, Argentina (2515).

Bids Wanted

Cyanamide:—4.5 tons for Houma, La.; Division of Purchase, Sales and Traffic, Department of Agriculture, Washington; procurement 8779, opening February 19.

Ethyleneglycol:—700 gallons for Philadelphia and Puget Sound; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1008, opening February 16.

Fertilizer:—10.6 tons for Cairo, Ga.; Division of Purchase, Sales and Traffic, Department of Agriculture, Washington; procurement 8780, opening February 19.

Flavoring Extracts:—Supplies of for various deliveries; Quartermaster Depot, 1819 West Pershing road, Chicago; procurement 199-162, opening February 16.

Supplies of for various deliveries; Quartermaster Supply Officer, Army Base, Brooklyn, N. Y.; procurement 626-151, opening February 17.

Supplies of for various deliveries; Quartermaster Supply Officer, Fort Mason, San Francisco; procurement 928-259, opening February 16.

Supplies of for various deliveries; Quartermaster Supply Officer, Fort Sam Houston, Texas; procurement 142, opening February 23.

Fuel Oil:—Supplies of for regions 4, 5, and 6, during a three months' period beginning April 1; Treasury Department, Procurement Division, Bureau of Supply, Federal Warehouse, Washington; procurements 7421-FO and 7422-FO, opening February 18, and 7423-FO, opening February 19.

Gasoline, Aviation:—Supplies of for various eastern points; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9930, opening February 16.

Gasoline, Motor Fuel V:—Supplies of for various east coast points; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9929, opening February 16.

Lard and Lard Substitute:—Supplies of; Quartermaster, Fort Hoyle, Maryland; procurement 418-45, opening Febuary 19.

Supplies of; Quartermaster, Fort Oglethorpe, Ga.; procurement 641-31, opening February 16.

Supplies of for various deliveries, during the period April 1 to June 30; Procurement Division, Veterans Administration, Washington; procurement 95-S, opening February 23.

Supplies of; Purchasing and Contracting Officer, Fort Slocum, N. Y.; procurement 842-37, opening February 18.

Naphthalene, Flake:—20,000 pounds; Quartermaster Depot, Twenty-first and Johnston streets, Philadelphia; procurement 669-191, opening February 16.

Old Dutch Cleanser:—Supplies of; Sales Officer, Army War College, Fort Humphreys, District of Columbia, procurement 917-19, opening February 19.

Phenol:—180,000 pounds for White Plains; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9901, opening February 16.

Salt:—Supplies of for various deliveries; Quartermaster Supply Officer, Fort Sam Houston, Texas; procurement 142, opening February 23.

Supplies of for various deliveries; Quartermaster Depot; 1819 West Pershing road, Chicago; procurement 199-162, opening February 16.

Supplies of for various deliveries; Contracting Officer, Quartermaster Corps, Second and Arsenal streets, St. Louis; procurement 801-91, opening February 16.

Salt:—193,000 pounds, for various points; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9866, opening February 23.

Supplies of; Purchasing and Contracting Officer, Fort Slocum, N. Y.; procurement 842-36, opening February 16.

Saniflush:—Supplies of; Sales Officer, Army War College, Fort Humphreys, District of Columbia; procurement 917-19, opening February 19.

Soap, Fresh Water:—60,000 pounds; Superintendent of Lighthouses, Staten Island, N. Y.; procurement 35069, opening February 17.

Soap, Saltwater:—25,000 pounds; Superintendent of Lighthouses, Staten Island, N. Y.; procurement 53069, opening February 17.

Soap, Toilet:—Supplies of for various deliveries; Contracting Officer, Second and Arsenal streets, St. Louis; procurement 801-91, opening February 16.

Supplies of for various deliveries; Quartermaster Depot, 1819 West Pershing road, Chicago; procurement 199-162, opening February 16.

Spices:—Supplies of; Purchasing and Contracting Officer, Fort Slocum, N. Y.; procurement 842-36, opening February 16.

Spices and Flavorings:—Supplies of for various deliveries; Contracting Officer, Quartermaster Corps, Second and Arsenal streets, St. Louis; procurement 801-91, opening February 16.

White Lead:—500,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9952, opening February 16.

Rio Tinto Company, one of the defendants in the suit brought by C. Wilbur Miller, former president of the Davison Chemical Company, Baltimore, for $5,000,000 damages, has been eliminated from the action by Judge Edwin T. Dickerson on the ground that the summons served was invalid because the company is not doing business in Maryland.

Business Wants and Offers

Minimum rate (36 words), without display, $2.00 per insertion; 25c for each additional 6 words

Payable in advance at 12 Gold Street, New York

Agencies Wanted

FIRM WITH headquarters in Cincinnati and covering Louisville, Dayton and Columbus would be interested in representing producers of pigments, oils, chemicals or other raw materials. BOX 929, Oil, Paint and Drug Reporter.

Agents Wanted

REPRESENTATIVE WANTED who calls on paint manufacturers throughout the country to sell a new type of paste, paint and varnish remover as a sideline. BOX 922, Oil, Paint and Drug Reporter.

Business Connections

SMALL CHEMICAL manufacturing business, owned by chemist with 24 years' experience manufacturing; like to unite with larger company, or will work for you turning over present business to defray part of salary. Located near Buffalo. BOX 921, Oil, Paint and Drug Reporter.

Capital Offered

HAVE $10,000-20,000 to invest in a good proposition. Write full details. Interview in New York or Chicago. BOX 924, Oil, Paint and Drug Reporter.

Equipment Offered

FROM the $10,000,000 Spreckels liquidation—Five No. 4 Vallez rotary filters; 1 Shriver filter press, 32-inch cast iron; 40 A. T. & M. 40-inch bronze basket centrifugal machines arranged in batteries of 3, 4, 6 and 8; 1 Swenson triple effect evaporator, copper tubes, 2,000 sq. ft. per effect; 120 motors, 5 h.p. to 150 h.p., 3 phase, 60 cycle, 220 volts; 2,000 tons pipe valves and fittings; miscellaneous vacuum, centrifugal and steam pumps; compressors, engines; 9 Heine water tube boilers, 500 h.p. each, 180 lb. pressure, with Murphy automatic stokers; 50 bucket elevators; large assortment laboratory equipment and library; 150 steel storage tanks, 500 gals. to 10,000 gals.; 15 horizontal jacketed, closed mixing tanks, 5,000 to 10,000 gallons each; miscellaneous screw and belt conveyors, etc. Send us your inquiries. Arrange to visit plant, Consolidated Products-Spreckels Liquidation, Yonkers, N. Y. Telephone: Yonkers 2400.

Equipment Offered

FOR SALE.—Five roller mill, lead mixers, semi-paste mixers, roller mills, pony mixers, change can mixers, pebble mills, dry mixers. Day rapid sifter No. 3. We buy surplus machinery. BOX 896, Oil, Paint and Drug Reporter.

PEBBLE MILLS—Porcelain jars, one and 4 gallons; lined mills, 50-75-100 gallons; No. 12 Sweetland filter; 6x4 Oliver filter; 20-gallon autoclave; 15 and 100-gallon jacketed aluminum kettles. Edw. W. Lawler, Inc., Durham avenue and L. V. R. R., Metuchen, N. J.

FOR SALE: Two-200 gallons, semi-paste twin mixers—perfect condition; 10-550 gallon varnish storage tanks—good condition. Monarch Lacquer Corp. Foot of Coffey st., Brooklyn, N. Y.

Factories Offered

CALCIMINE and whiting factory located on Long Island City waterfront; approximately 75 x 230; for rent, including machinery; reasonable. Harry I. Stein, 551 Fifth avenue, New York.

BRICK FACTORY—47,000 sq. ft., railroad siding at two ends of building, live steam available 24 hours per day; sprinkler system; unrestricted district in Brooklyn; low rent. The R. L. Kraft Company, Woolworth Building, New York City. COrt. 7-9377.

Factories Wanted

PAINT and varnish factory wanted: State size of building, plot, number of varnish stacks, equipment, price. Also any other information available. Strictly confidential. BOX 919, Oil, Paint and Drug Reporter.

Materials Offered

AIRPLANE DOPE, clear acetate, in steel drums; 5,000 gals. and upward; Atlantic seaboard; good material, very low price. Henry K. Fort Co., 2227 N. American street, Philadelphia, Pa.

Materials Wanted

WILL BUY any quantity surplus or by-product chemicals, greases, waxes, oils, solvents, colors, metal and all raw materials. We pay highest prices. Will also buy complete plant inventory. Write Barclay Chemical Company, Inc., 75 Varick street, New York City. WAlker 5-4250.

WANTED—A soft coal tar pitch to pass 200 Fahr. ball and ring test. BOX 928, Oil, Paint and Drug Reporter.

Plants Wanted

PLANT WANTED with good transportation facilities, already equipped for general chemical manufacture. Should include boiler, pumps, mixers, filter presses, pulverizers, storage tanks. Give full details in first letter. BOX 895, Oil, Paint and Drug Reporter.

WANT TO RENT equipped paint and varnish plant in vicinity of New York city. Would also be interested in buying small industrial plant. BOX 920, Oil, Paint and Drug Reporter.

Positions Vacant

PAINT MANUFACTURING plant looking for executive to take charge of sales and operations, to start with moderate salary and liberal share of profits. Present capacity of approximately 2,000 gallons per day; will increase as business warrants. Applicants must be experienced in this line. Applications must contain full details of experience for consideration. BOX 911, Oil, Paint and Drug Reporter.

WANTED—By successful industrial company technically trained man who has knowledge of formulae and manufacture of lacquers, enamels, and coatings. Will have charge of specifying and developing coating products and especially their application. Opportunity for advancement if applicant aggressive and has supervising ability. Correspondence confidential. BOX 923, Oil, Paint and Drug Reporter.

Positions Wanted

EXECUTIVE AVAILABLE—Technical man, 25 years' experience in glue and gelatin, now employed, ready to consider new connection, production or sales. BOX 879, Oil, Paint and Drug Reporter.

ABLE CHEMIST open for responsible situation; experienced as consulting chemist, assistant to president, and director of research and development. Unusually broad experience in diversified lines and very highest references. BOX 909, Oil, Paint and Drug Reporter.

EXTENSIVE EXPERIENCE in research, formulation and production of paints, varnishes, lacquers and synthetics, all types. Worthy record of salable items. Now in charge of laboratories of mid-western paint manufacturer. Excellent reasons for desiring change. Looking for position in charge of laboratories or production. Chemical engineer, M.S., young, married, highest references. BOX 930, Oil, Paint and Drug Reporter.

ANALYTICAL and research chemist experienced formula developer and controller of grains and fish meal in their protein, fat and fiber guarantee; also as textile chemist in dyestuff application, dye-testing, color-matching, money values on dyes and chemicals. Expert textile trouble-shooter. BOX 918, Oil, Paint and Drug Reporter.

ORGANIC RESEARCH chemist, has worked in lacquers and rubber. BOX 925, Oil, Paint and Drug Reporter.

RESEARCH and development chemist (Ph.D.). Experienced in paints, pigments and cement. BOX 926, Oil, Paint and Drug Reporter.

ANALYTICAL CHEMIST has had control experience in textile, oil and electrolytic work. BOX 927, Oil, Paint and Drug Reporter.

Surplus Stock

CHECK INVENTORIES—Cash for any quantity surplus finished or raw material—chemicals, oils, coaltar products, metals, drugs, pharmaceuticals, gums, wastes and by-products. Entire plants bought.. Chemical Service Corp., 101A East 19th street, New York. Stuyvesant 9-0134.

REBUILT MACHINERY SELECTED ITEMS

16—Pebble Mills, porcelain and silex lined, 10 to 1000 gals, some with roller bearings.
5—Colton Stokes & Mulford Tablet Machines, ½" to 2" dia.
10—175 gal. Copper and Aluminum Steam Jacketed Kettles.
2—500 gal. Aluminum Jack. Agit. Kettles.
2—26" Tolhurst Extractors, rubber lined baskets.
10—Dry Powder Mixers, 100 lbs. to 2,200 lbs. capacity.
1—Colton No. 10 worm type Paste Filler.
4—Day 12x32 w.c. chain drive Roller Mills.
5—Day Pony Mixers, 8, 15 and 40 gals.
8—Paste Mixers, 50 to 100 gals.
2—700 gal. Duriron Jack. Kettles, closed.
2—W. & P. Jack. Mixers, 200 gal., power tilting, sigma blades.
25—Filter Presses, 6" to 42" size.
5—Buffalo 32"x90" Double Drum Atmospheric Dryers
2—W. & P. Jacketed Mixers, 100 gal., power tilting, heated sigma blades.
8—Derine and Buffalo Vacuum Shelf Dryers, assorted sizes.

Miscellaneous; Dryers; Mixers; Filters and Filter Presses; Kettles; Pulverizers Mills; Grinders; Tanks; Pumps; Boilers; etc. Send for our Bulletins.

CONSOLIDATED PRODUCTS COMPANY, Inc.

15-17-19 Park Row, New York, N. Y. Phone: Barclay 7-0080

Plant: 335 Doremus Ave., Newark, N. J. Cable Address: Equipment

Corporation Earnings Recently Reported

	Period.	1936 Net income.	1936 Per share.	1935 Net income.	1935 Per share.
American Chicle Co.	1936	$3,032,228	$7.02	$2,642,327	$5.98
Archer-Daniels-Midland Co.	2d hf.	1,163,886	1.92	808,613	1.27
Atlas Powder Co.	1936	1,430,080	4.21	1,161,170	2.81
Bristol-Myers Co.	1936	2,275,251	3.31	2,232,572	3.25
Canada Dry Ginger Ale, Inc.	4th qr.	128,780	.25	*51,564	...
Carib Syndicate, Ltd.	1936	38,989	...	1,625	...
Compressed Industrial Gases, Inc.	1936	355,481	2.36	290,818	3.81
Cosden Oil Co.	1936	*192,784	...	*521,738	...
Devoe & Raynolds Co.	1936	707,210	4.49	530,063	2.89
Du Pont (E. I.) de Nemours & Co.	1936	83,557,740	7.56	55,676,881	5.04
Frederick Stearns & Co.	1936	381,263	2.28	272,685	1.39
Freeport Sulphur Co.	1936	2,007,988	2.43	1,492,108	1.78
Hancock Oil Co. (Cal.)	2d hf.	164,561	.76	161,991	.74
Hercules Powder Co.	1936	4,284,164	6.33	3,175,973	4.23
Liquid Carbonic Corp.	1936	1,215,072	3.47	920,237	2.63
Mathieson Alkali Works	1936	1,628,480	1.76	1,359,776	1.44
National Oil Products Co.	1936	559,097	3.42	337,949	2.17
North American Oil Consolidated	1936	151,266	.55	183,801	.67
Oklahoma Natural Gas Co.	1936	957,682	...	677,668	...
Pennsylvania Salt Mfg. Co.	1936	1,589,201	10.59	1,160,654	7.74
Minneapolis-Honeywell Regulator Co.	1936	3,082,361	4.78	1,793,339	2.67
Quaker State Oil Refining Corp.	1936	1,145,301	1.24	914,567	1.01
Standard Brands, Inc.	1936	14,727,449	1.13	12,744,963	.97
Valspar Corp.	1936	183,390	6.08	277,506	...

* Deficit.

Imposters Solicit Paint Group

The New York Paint, Varnish and Lacquer Association is sending a warning to its members against contributing to funds on solicitations made by two men giving the names of Miller and Wilson and claiming to be employees of the Devoe & Raynolds Company. Miller solicits in the name of a settlement, and Wilson for some benefit to be given at a local theater. Neither of the men is known at the Devoe & Raynolds office, and the association suggests that all offices of the members be posted against the appearance of the impostors.

Abbott Laboratories has applied to the New York Stock Exchange to list 640,000 shares of no par common stock.

Dividends Reported Since Last Publication

	Stock.	Class.	Amount.	Payable.	Of record.*
American Home Products Corp.	Com.	M.	20c.	Mar. 1	Feb. 15
Archer-Daniels-Midland Co.	Com.	..	50c.	Mar. 1	Feb. 18
Armour & Co. (Ill.)	Com.	Q.	15c.	Mar. 15	Feb. 23
Armstrong Cork Co.	Com.	..	50c.	Mar. 1	Feb. 8
Atlas Powder Co.	Com.	Q.	75c.	Mar. 10	Feb. 26
Bandini Petroleum Co.	.....	..	3c.	Feb. 20	Feb. 3
Bristol-Myers Co.	.....	Q.	60c.	Mar. 1	Feb. 15
Buckeye Pipe Line Co.	.....	..	$1.00	Mar. 15	Feb. 19
Bourjois, Inc.	Pfd.	Q.	68¾c.	Feb. 15	Feb. 1
Canadian Oil Cos.	Com.	Q.	12½c.	Feb. 15	Feb. 1
Chile Copper Co.	.....	..	25c.	Feb. 27	Feb. 8
Colgate-Palmolive-Peet Co.	Com.	Q.	12½c.	Mar. 1	Feb. 5
Colgate-Palmolive-Peet Co.	Pfd.	Q.	$1.50	April 1	Mar. 5
Columbian Carbon Co.	.....	Q.	$1.00	Mar. 10	Feb. 15
Columbian Carbon Co.	.....	Spl.	50c.	Mar. 10	Feb. 15
Compania Swift International	.....	S.	$1.00	Mar. 1	Feb. 15
Consolidated Oil Corp.	Pfd.	Q.	$1.25	Mar. 1	Feb. 15
Continental Oil Co.	Com.	..	25c.	Mar. 29	Mar. 1
Crown Cork & Seal Co.	.....	Q.	20c.	Feb. 15	Jan. 30
Crown Drug Co.	Pfd.	Q.	43¾c.	Feb. 15	Feb. 10
Diamond Match Co.	Com.	..	50c.	Mar. 1	Feb. 15
Diamond Match Co.	Pfd.	S.	75c.	Mar. 1	Feb. 15
Dow Chemical Co.	Com.	..	60c.	Feb. 15	Feb. 1
Dow Chemical Co.	Pfd.	Q.	$1.25	Feb. 15	Feb. 1
Dow Drug Co.	Com.	..	15c.	Feb. 15	Feb. 1
Freeport Sulphur Co.	Com.	Q.	25c.	Mar. 1	Feb. 15
Freeport Sulphur Co.	Pfd.	Q.	$1.50	May 1	April 15
Glidden Co.	Com.	Q.	50c.	April 1	Mar. 17
Great Western Electro-Chemical Co.	Com.	..	80c.	Feb. 15	Feb. 5
Gulf Oil Corp.	.....	..	25c.	April 1	Mar. 15
Hancock Oil Co.	Cl. A	Q.	25c.	Mar. 1	Feb. 15
Hancock Oil Co.	Cl. A	Ext.	12½c.	Mar. 1	Feb. 15
Hancock Oil Co.	Cl. B	Q.	25c.	Mar. 1	Feb. 15
Hancock Oil Co.	Cl. B	Ext.	12½c.	Mar. 1	Feb. 15
Harbison Walker Refractories	Com.	..	50c.	Mar. 1	Feb. 13
Hazel Atlas Glass Co.	.....	Q.	$1.25	April 1	Mar. 12
Hercules Powder Co.	Pfd.	Q.	$1.50	Feb. 15	Feb. 4
Heyden Chemical Corp.	Com.	..	50c.	Mar. 1	Feb. 18
Heyden Chemical Co.	Pfd.	Q.	$1.75	April 1	Mar. 22
Hires (Chas. E.) Co.	Cl. A	Q.	50c.	Mar. 1	Feb. 15
International Nickel Co.	Com.	Q.	50c.	Mar. 31	Mar. 1
Kendall Co.	Pfd.	Q.	$1.50	Mar. 1	Feb. 10
Life Savers Corp.	.....	Q.	40c.	Feb. 27	Feb. 6
McColl-Frontenac Oil Co.	Com.	Q.	20c.	Mar. 15	Feb. 13
Mead Corp.	Pfd.	Q.	$1.50	Mar. 1	Feb. 15
Midco Oil Corp.	Com.	Q.	25c.	Feb. 25	Feb. 15
Minneapolis-Honeywell Regulator Co.	Com.	Q.	50c.	Feb. 20	Feb. 4
Monsanto Chemical Co.	.....	Q.	25c.	Mar. 15	Feb. 25
Monsanto Chemical Co.	.....	Ext.	25c.	Mar. 15	Feb. 25
National Lead Co.	Pfd.	Q.	$1.75	Mar. 15	Feb. 26
North American Oil Consolidated	Com.	Q.	25c.	Feb. 5	Jan. 25
Owens-Illinois Glass Co.	Com.	..	$1.50	Feb. 15	Jan. 30
Parker Rust Proof Co.	Com.	Q.	37½c.	Mar. 1	Feb. 10
Phelps Dodge Corp.	.....	..	30c.	Mar. 10	Feb. 19
Phillips Petroleum Co.	Com.	Q.	50c.	Mar. 1	Feb. 5
Quaker State Oil Refining Corp.	Com.	Q.	20c.	Mar. 15	Feb. 28
Reynolds Metals Co.	Com.	Q.	25c.	Mar. 1	Feb. 15
Reynolds Metals Co.	Pfd.	Q.	$1.37½	April 1	Mar. 20
Royal Manufacturing Co.	Com.	Spl.	60c.	.....	.....
Royal Manufacturing Co.	Pfd.	..	7%	Mar. 1	.....
Sherwin-Williams Co.	A pfd.	Q.	$1.25	Mar. 1	Feb. 15
Sherwin-Williams Co. (Can.)	Pfd.	..	$1.75	Mar. 1	Feb. 15
Socony-Vacuum Oil Co.	.....	..	25c.	Mar. 15	Feb. 18
Southern Pipe Line Co.	.....	..	20c.	Mar. 1	Feb. 15
Standard Brands, Inc.	Com.	Q.	20c.	April 1	Feb. 17
Standard Brands, Inc.	Pfd.	Q.	$1.75	April 1	Feb. 17
Standard Oil Co. (Cal.)	.....	Q.	25c.	Mar. 15	Feb. 15
Standard Oil Co. (Cal.)	.....	Ext.	5c.	Mar. 15	Feb. 15
Standard Oil Co. (Ind.)	Com.	Q.	25c.	Mar. 15	Feb. 15
Standard Oil Co. (Ind.)	Com.	Ext.	15c.	Mar. 15	Feb. 15

Index to Advertisements

Advance Solvents & Chemical Corp..... 66
Alexander, Jerome..... 58
Ambassador, The..... 48
American-British Chemical Supplies, Inc. 34
American Can Co..... —
American Chemical Products Co..... 1
American Chlorophyll, Inc..... 44
American Cyanamid & Chemical Corp. 16, 17
American Fluoride & Chemical Corp... 30
American Potash & Chemical Corp..... —
American Seitz Filter Corp..... 44
Anaconda 49
Anderson-Prichard Oil Corp..... 56
Ansbacher-Siegle 42
Apex Chemical Co., Inc..... —
Atlantic Refining Co..... 66
Aue, F., Co..... —

Baker, J. T., Chemical Co..... —
Barium Reduction Corp..... 29
Barrett Company.....32, 57
Belle Alkali Co..... 47
Benckiser, Joh. A..... —
Benzol Products Co..... —
Binney & Smith Co..... 40
Bradley, A. J., Mfg. Co..... 42
Brazil Wood Oil Corp..... —
Brode Corp., The..... 43
Bruecke, Albert H..... 38
Bureau of Chemistry..... 58
Bush, W. J., & Co., Inc..... 53

Calco Chemical Co., Inc..... —
California Fruit Growers' Exchange.... 20
Carbide & Carbon Chemicals Corp..... —
Carey, The Phillip, Co..... —
Chemical Solvents, C. P., Inc..... 66
Chilean Nitrate Sales Corp..... —
Church & Dwight Co..... 29
Cliffs-Dow Chemical Co..... 1
Colton, Arthur, Co..... 38
Columbia Alkali Co..... —
Columbian Carbon Co..... 40
Commercial Solvents Corp..... 14
Conewango Refining Co..... 25
Consolidated Products Co., Inc..... 64
Cooper, Chas., & Co..... 38

Darling & Co..... 45
Deep Rock Oil Corp..... —
Delta Chemical & Iron Co..... 66
Diamond Alkali Co..... 31
Dodge & Olcott Co..... 53
Doggett, Stanley, Inc..... —
Dow Chemical Co..... —
Draper Mfg. Co..... —
Drury, A. C., & Co., Inc..... 49
Dunkel, Paul A., & Co., Inc..... —
DuPont de Nemours, E. I., & Co..... —

Eagle-Picher Lead Co..... —
Eastman Kodak Co..... —
Ehrmann-Strauss Co., Inc..... 49
Electro Bleaching Gas Co..... —
Emery Industries, Inc..... 43
Eureka Machine Co..... —

Falk & Company..... 44
Fezandie & Sperrle..... —
Filtrol Corp..... 44
First Machinery Corp..... —
Fluorine Products..... —
Frank-Vliet Co..... 51
Franks Chemical Products Co..... 38
Fritzsche Bros., Inc.....52, 54

General Chemical Co..... —
General Dyestuffs Corp..... —
General Electric Co..... —
General Plastic, Inc..... —
Givaudan-Delawanna, Inc..... —
Glyco Products Co..... —
Gogarty, H. A., Inc..... 60
Gray, William S., & Co..... 1
Gray Industrial Laboratories..... 58
Greeff, R. W., & Co., Inc..... 1
Gross, A., & Co..... 43
Gruman, J. B., Co..... 60
Gulf Oil Corp..... —

Hammond, W. A..... —
Hammond Paint & Chemical Co..... 51
Harshaw Chemical Co..... 39
Heekin Can Co..... 22
Hercules Powder Co.....12, 13
Heyden Chemical Corp..... 47
Hinde & Dauch Paper Co..... 19
Hochstadter Laboratories..... 58
Holt, C. J., & Co., Inc..... 58
Hopkins, J. L., & Co., Inc..... 51
Huber, F., Inc..... 51
Huisking, Chas. L., & Co., Inc..... —
Hutchinson, D. W., & Co., Inc..... 53

Imperial Oil & Gas Products Corp..... 38
Imperial Paper & Color Corp..... 41
Independent Mfg. Co..... 44
Industrial Chemical Sales..... —
Innis, Speiden & Co..... —
International Pulp Co..... —
Irvington Smelting & Refining Works... 29

Jackson, L. N., & Co., Inc..... 44
Jones & Laughlin Steel Corp.....33, 34
Jungmann & Co., Inc..... —

Kapper, Frederick P., Co..... 38
Kentucky Color & Chemical Co..... 42
Knight, B. H..... 58
Koppers Products Co..... 33
Koster Keunen..... 50
Krebs Pigment & Color Corp..... —

Laning, E. M., Co., Inc..... 58
LaWall & Harrisson..... 58
Lewis, John D., Inc..... —
Lueders, Geo., & Co..... —

Magnetic Pigment Co..... 40
Magnus, Mabee & Reynard, Inc..... 53
Mallinckrodt Chemical Works..... 6
Mathieson Alkali Works, Inc..... —
McCormick & Co., Inc..... 51
McNulty, Joseph A..... 38
Mechling Bros. Chemical Co..... —
Merck & Company..... —
Metasap Chemical Co..... 41
Michel Export Co..... —
Miel, George A..... 58
Minnesota Specialty Co..... —
Monsanto Chemical Co..... 46
Murray & Nickell Mfg. Co..... 51
Mutual Chemical Co. of America..... 36

National Aniline & Chemical Co., Inc.. 28
National Lead Co..... —
National Milk Sugar Co., Inc..... 48
National Rosin Oil & Size Co..... —
Neuberg, William, Inc..... 49
Neville Co..... 33
New Jersey Zinc Co..... —
New York Quinine & Chemical Works, Inc. ..... —
Niacet Chemicals Corp..... 49
Niagara Alkali Co..... —
Nichols Copper Co..... —
N. V. Potash Export My, Inc..... —

Oldbury Electro-Chemical Co..... 30
Orbis Products Corp..... —
Orthmann Laboratories, Inc..... 58
Osborn, C. J., Co..... 38

Pacific Coast Borax Co..... 1
Pacific Food & Drug Laboratories..... 58
Pacific Vegetable Oil Corp..... —
Parsons, M. W..... 49
Pease Laboratories, Inc..... 58
Penick, S. B., & Co..... 50
Pennsylvania Coal Products Co..... —
Pennsylvania Refining Co..... —
Pennsylvania Salt Mfg. Co..... —
Pfaltz & Bauer, Inc..... 30
Pfizer, Chas., & Co., Inc..... 27
Potash Co. of America..... —
Pressed Steel Tank Co..... 30
Procter & Gamble.....43, 47
Purdy, W. S., Co., Inc..... 58
Pure Calcium Products Co..... —

Reilly Tar & Chemical Corp..... —
Roger, Henry..... 58
Rosenthal, H. H., Co., Inc..... 66
Ryland, H. C., Inc..... 53

Sadtler, Samuel P., & Sons, Inc..... 58
Schimmel & Co., Inc..... 49
Schofield-Donald Co., Inc..... 49
Schwabacher, S., Co., Inc..... 47
Schwarz Laboratories, Inc..... 58
Scientific Filter Co..... 53
Seil, Putt & Rusby, Inc..... 58
Sharples Solvents Corp..... 8
Sherka Chemical Co., Inc..... —
Sherwood Petroleum Co., Inc..... 56
Skelly Oil Co..... 65
Smith, Kline & French Laboratories.... —
Snell, Foster D., Inc..... 58
Solvay Sales Corp..... —
Sonneborn, L., Sons, Inc..... 66
Southwark Mfg. Co..... 38
St. Joseph Lead Co..... —
Staley, A. E., Mfg. Co..... 44
Standard Ultramarine Co..... 42
Stauffer Chemical Co..... 29
Stillwell & Gladding..... 58
Stroock & Wittenberg Corp..... 24
Sundheimer, Henry, Inc..... 29

Taintor Trading Co..... —
Tamms Silica Co..... —
Tennessee Corp..... —
Texas Gulf Sulphur Co., Inc..... 1
Thornton, The F. C., Co..... 39
Thurston & Braidich..... 51
Titanium Pigment Corp..... 2
Todd, A. M., Co..... —
Turner, Joseph, & Co..... 29

Ultramarine Co..... —
Union Carbide & Carbon Corp..... —
United Clay Mines Corp..... —
U. S. Industrial Alcohol Co.....9, 10
U. S. Industrial Chemical Co.....9, 10
U. S. Phosphoric Products Corp..... —
United States Potash Co., Inc..... —

Vanderbilt, R. T., Co., Inc..... 1
Victor Chemical Works..... 30
Viking Distributing Co..... 51
Vitab Products, Inc..... —
Vol-U-Meter Co., Inc..... —
Vorce, L. D..... 58

Wecoline Products, Inc..... 44
Werk, The M., Co..... 43
Wiley & Co., Inc..... 58
Will & Baumer Candle Co..... 50
Williams, C. K., & Co..... 42
Wishnick-Tumpeer, Inc..... —
Witco Carbon Co..... —
Woburn Degreasing Co. of N. J..... 43
Wolf, Jacques, & Co..... —

• SKELLYSOLVE •

ASK HOW!

If you make varnishes, paints, lacquers or use a solvent for extracting fats, cleaning metals, making rubber cements, etc., it will pay you to make these important comparisons.

• HOW LOW the losses from evaporation

Compare your present material by trying Skellysolve. Its losses are reduced to a minimum with high initial boiling points and freedom from excessive volatiles. Skellysolve saves money, reduces fire hazards.

• HOW CLOSE the boiling ranges

Skellysolve has as low as 15° from initial to dry flask end-point. For example, Skellysolve C has a range of only 190 to 208°F. Diluent remains constant in storage and formulas because tendency to fractionate is cut to a minimum. Blushing and skinning tendency reduced.

• HOW ABOUT heavy compounds

Skellysolve's minimum of heavy, greasy compounds makes final drying rapid and complete. High initial for slow initial drying. Essentially pure saturated type compounds. Contaminations resulting from polymerization or gum formation reduced to minimum.

• HOW DEPENDABLE are formulas, service

No changing of formulas with Skellysolve; it is perfectly uniform in shipment after shipment. Your supply always reaches you on time. Find out ALL about Skellysolve by using and comparing. Write, wire, or call.

• Solvents Division—Skelly Oil Co.
121 West Wacker, Chicago, Illinois

SKELLY

• SKELLYSOLVE •

• SKELLYSOLVE • SKELLYSOLVE • SKELLYSOLVE • SKELLYSOLVE •

C. P. Acetone Butyl Alcohol Butyl Acetate

CHEMICAL SOLVENTS
Incorporated
11 Park Place Telephone BArclay 7-8615-6-7 New York

WHITE OIL and PETROLATUM
FOR ALL PHARMACEUTICAL, COSMETIC and INDUSTRIAL PURPOSES

L. SONNEBORN SONS, INC.
Refiners of White Oil and Petrolatum - Refineries: Petrolia and Franklin, Pa.
New York 88 Lexington Avenue | Los Angeles 215 West 5th Street | Chicago 400 West Madison Street

DELTA
REDISTILLED ACETIC ACID
28%, 56%, 70%, 80%
REFINED METHANOL
95%-97% — Purified — Anti-Freeze
METHYL ACETONE
KETONES
DELTA CHEMICAL AND IRON CO.
WELLS, MICHIGAN

An American Contact
CHEMICALS DRUGS OILS WAXES
Our organization has broad purchasing and selling experience, expert knowledge of all products, enabling us to give foreign firms service facilities equivalent to their own American office.
Correspondence invited.
H. H. ROSENTHAL CO., Inc.
Cable Address "Rodrug" All Codes
25 East 26th Street, New York City

ADVANCE SOLVENTS
gives you assurance of
PURITY..UNIFORMITY..
DEPENDABILITY
In these essential products
SODIUM SULPHIDE 60-62%
CRYOLITE SYNTHETIC
PERCHLORETHYLENE
TRICHLORETHYLENE
DICHLORETHYLENE
METHYLENE CHLORIDE
ADVANCE SOLVENTS & CHEMICAL CORPORATION
245 FIFTH AVENUE, NEW YORK, N.Y.

One of these high-quality White Mineral Oils is refined to fill your requirements exactly. If you have a particular problem, perhaps we can help you.

DISTRIBUTORS OF ATLANTIC WHITE OILS

A. C. DRURY & CO., Inc.
219 East North Water Street, Chicago, Ill.

THE HARSHAW CHEMICAL CO.
1945 East 97th Street, Cleveland, Ohio

GEORGIA-CAROLINA OIL CO.
708 Jefferson Street, N. W., Atlanta, Ga.

TEXTILE CHEMICAL PRODUCTS CO.
P. O. Box 368, Greensboro, N. C.

ATREOLS
ODNOLS
ULTROLS

THE ATLANTIC REFINING COMPANY
Specialty Sales Department
260 South Broad Street Philadelphia, Pa.